

3 Decks.

IRON OR STEEL STEAMER.

MON. 15 FEB 1909

Received at London Office.

SHELTER DECK

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 access of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

Navigation Spaces

N.B. space

Gross Tonnage

as out on Beam

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

Port of

Date, First Survey

Last Survey

Rig

Master

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

THREE DECKED VESSEL.

CLASS 1041 SHELTER DK FEET.

Half Breadth (moulded) 25.83

Depth from upper part of Keel to top of Upper Deck Beams 31.54

Girth of Half Midship Frame (as per Rule) 53.30

deduct 7 feet 7.00

1st Number 103.67

Length on deck from after part of stem to fore part of stern post 408.0

2nd Number 42297

Proportions—Breadth to Length 7.9

Depth to Length—Upper Deck to top of Keel 12.93

Main Deck ditto

Destined Voyage Rotterdam

If Surveyed while Building, Afloat, or in Dry Dock Special

Length on Deck 408.0 Breadth—Moulded 51.8 Depth, ACTUAL—Top of Floors to top of Upper Dk. Beams 27.8 Do. do. do. do. Main Dk. Beams 17.7 No. of Decks with flat laid 2 No. of Tiers of Beams 3 Round of Upper Dk. Beam, Actual 12 1/2 ins.

Dimensions of Ship per Register, Length 410.0 breadth 52.0 depth 27.65 Moulded depth, ft. 30 ins. 6 To Upper Dk.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship.				Inches in Ship.			
FRAME, Angles, or L, E or L Bars for 1/2 length amidships				KEEL, Bar or Side Plates, depth and thickness			
Do. for 1/2 at each end				STEM, moulding and thickness			
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.			
" " " at intermdt. Bkts.				" " for Propeller			
acing of Frames from centre to centre				MAIN PIECE of Rudder, diameter at head			
EVERSED FRAME, Angles				" " do. at heel			
DEEP FRAMING, depth of girder				RUDDER, how constructed			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				Can the Rudder be unshipped afloat?			
" " 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 1/2 the half breadth, as per Rule				" Rider Plate			
" " height extended at the Bilges				" Bulb Plate to Intercoastal Keelson			
FLOORS & BRACKETS in Cell Dble Bottoms				" Horizontal Plates on Floors			
" " state if flanged (top & bottom)				" Angles			
" " Spacing				SIDE KEELSON, Angles			
CENTRE GIRDER, in Double bottom, depth and thickness				" Bulb or Plate above floors, for lng.			
" " Angles, Top				" Intercoastal Plate, for length			
" " Bottom				" Attached to outside Plating with Angle			
SIDE GIRDERS, number on each side & thickness				BILGE KEELSON, Angles			
" " state if flanged (top and bottom)				" Bulb or Plate above floors, for lng.			
" " Angles				" Intercoastal Plate, for length			
MARGIN PLATE, depth (exclusive of flange) and thickness				" Attached to outside Plating with Angle			
" " Angles to Outside Plating				BILGE STRINGER Angles			
" " Floors				" Bulb Plate for length			
" " Height of Floors at the Bilges				" Intercoastal Plate, for length			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Attached to outside Plating with Angle			
" " in Engine and Boiler space				SIDE STRINGERS Angles			
" " Remainder in Holds				" Bulb or Intercoastal Plate, for lng.			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				" Attached to outside plating with Angle			
" " Angles on upper edge				Upper Deck Stringer Plates, br'dth & thickness			
" " Spacing				" Angle on ditto			
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				" Tie Plates, outside Hatchways			
" " Angles on upper edge				" Deck * Iron or Steel, for full lng.			
" " Spacing				" Wood Deck, Material & thickness			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Middle Deck Stringer Plate, br'dth & thickness			
" " Angles on upper edge				" Angles on ditto, No. 2			
" " Spacing				" Tie Plates outside Hatchways			
BEAMS, Hold, or Orlop, Plate or Tee Bulb				" Diagonal Tie Plates, No. of pairs			
" " Angles on upper edge				" Deck * Iron or Steel, for full lng.			
" " Spacing				" Wood Deck, Material & thickness			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				Lower Deck Stringer Plate, br'dth & thickness			
" " Angles on upper edge				" Angles on ditto, No.			
" " Spacing				" Tie Plates, outside Hatchways			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Deck * Material and thickness			
" " Angles on upper edge				Hold, or Orlop Stringer Plate, br'dth & thckn's			
" " Spacing				" Angles on ditto, No.			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Tie Plates outside Hatchways			
" " Angles on upper edge				" Deck, Material and thickness			
" " Spacing				Poop Deck Stringer Plate, breadth & thickness			
PILLARS, In 'tween Deck, size and spacing				" Angle on ditto			
" " Hold				" Tie Plates			
" " Quarter 'tween Dks.,				" Deck, Material and thickness			
" " in Hold				Bridge Deck Stringer Plate, br'dth & thickness			
WEB-FRAMES, In Fore Body, No. and spacing				" Angle on ditto			
" " br'dth & thickness				" Tie Plates			
" " No. of Side Stringers				" Deck, Material and thickness			
" " br'dth & thickness				Forecastle Deck Stringer Plate, b'dth & th			
" " No. of Side Stringers				" Angle on ditto			
" " br'dth & thickness				" Tie Plates			
" " No. of Side Stringers				" Deck, Material and thickness			
" " Size of Angles or Tee Bars to Web-Frames				BULKHEADS.			
BRACKET PLATES to Stringers between Web-Frames, depth and thickness				Number. Thickness. STIFFENERS.			
				Vessel. Per Rule. Vertical. Single or Double Frames. Height up.			
				W. T. BULKHEADS			
				PARTITION			
				LONGITUDINAL			
				Are the outside Plates doubled two spaces of Frames in length?			
				Are the Sluice Valves and Watertight Doors in efficient working order?			

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged?				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.						Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
	Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.						Inches.	Inches.	Inches.	Inches.	Inches.	Feet.		
FLAT PLATE KEEL	42	20	14	14	42	20	14	Double	6	1	3/8	Quad	1	3/2			14	1/2	
GARBOARD OR A Strake	62	16	13	13	62	16	13		5 1/4	7/8	3/8		7/8	3/2			12		
B "		13	10	10		13	10												
C "		13	10	10		13	10												
D "		13	11	11		13	10												
E "		13	10	10		13	10												
F "		13	10	10		13	10												
G "		13	10	10		13	10												
H "		13	10	10		13	10												
J "		14	10	11		14	10						1	3/2			10 1/2		
K "		13	10	10		13	10						7/8				12		
L "		13	10	10		13	10						3/8				9		
U.D.K. SHEERM	49	13	10	10	48	13	10		to 3				3/2				12		
N "		12	9	8		12	8		to 3				3/8				9	3/4	
S.D.K. SHEER O	46	14	9	9	45	14	9						1	4			14	3/4	
P "																			
Q "																			
R "																			
S "																			
DOUBLING of Flat Plate Keel	Keel plate & Subboards increased in thickness in case of doubling.																		
Length and thickness of Bilges																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES	Complete Shutter deck - See letter N & O.																		
BRIDGE SIDES																			
FORECASTLE 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.?

Open - hearted
Palmer's S. Co. Corp. Pat. Co. Pat.
Dorman Long, South Durham.

Has the Steel been tested as required by the Rules?

Yes.

FRAMES extend in one length from

but margin to

State if ordinary or jogged

ordinary

REVERSED FRAMES on floors and frames extend from

deep bulk angle framing

State if ordinary or jogged

✓

MASTS, SPARS, &c.

LOWER MASTS.....	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Mounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Steel	88-9	25 1/2 x 3/4	25 x 9/16		17 x 1/2	One			Single	Double
Main		88-6									
Mizen											
Remains											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds			3/4 S.W.								
Sails.	None										
Suit of											
Sails, and the following spare sails.											

EQUIPMENT No. 50510 LETTER A+.

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.			
34066	1st Bower ...	70	0	0	Stockless	53	15	0	0	68	0	0	Britannia	R. Sykes & Son	Lipton 14/9/08		
34280	2nd „ ...	64	1	7	90	50	12	2	0	68	0	0	90	90	29/10/08		
34035	3rd „ ...	61	2	21	90	49	6	3	14	58	2	0	90	90	11/9/08		
	4th „ ...														Sgt C. E. Perrins		
	Collective weight	196	0	0						194	2	0					
34178	Stream	19	0	21	5	0	7	19	19	2	21	19	0	0	R. Sykes & Son	Lipton 14/10/08	
34179	Kedge.....	8	1	14	2	0	21	10	10	0	0	8	0	0	90	14/10/08	
															Sgt C. E. Perrins		

If Patent state Name of Patentee.

If Stockless, state Mechanical Tests.

CHAIN CABLES.

HAWSERS AND WARPS.

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 Towline.	Length and size per Table 22.	
			Supplied.	Per Table 22.	Per Table 22.						Length.	Cir.		Length.	Cir.
8570	270 2 1/2	96 1/4 13 3/4	723	3	0	720	3	4	270 2 1/2	Steel	Not given	Cardiff 26/10/08	TOWLINE	120 5 1/4	65 120 5 1/4
													HAWSERS & WARPS	90 3 1/2	26 2 1/2 90 8
														90 2 3/4	15 1/2 2 1/2 7
Iron Stream (Chain) Steel Wire	90 5	59							90 5 S.W. Chain & Speedy Makers	12/1/09				2 1/2 120 3	18 1 1/2 1 1/2

Boats *4 Boats*

Pumps, Number *Ensigna 2 holds. Hand pump 1/2 inch* Diameter of Barrel *6* State whether they are in efficient working order *Yes*

Windlass is *Bureau Walker & Thompson's patent* Capstan *Steam direct rotat*

Engine Room Skylights.—How constructed? *Steel plates & gulls.*

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

Coal Bunker Openings.—How constructed? *B.A. Coaming* How are lids secured? *By pauline & battens* Height above deck? *9"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *7 each side*

Ceiling in Holds, thickness and material *2 1/2 W.P. on timber & gulls* Cargo Battens, thickness and material *6 x 2 W.P.*

Cargo Hatchways.—How formed? *Coaming plates & gulls* Hatches, If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *24'9" x 16'0"* No. 2 Hatch *27'0" x 16'0"* No. 3 Hatch *11'3" x 17'11"* No. 4 Hatch *11'3" x 14'0"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *5*

No. of Breasthooks *5* No. of Crutches *4*

Bulwarks, height above deck and description *open rails* Main Rail, material and size *24'9" x 16'0"*

The above is a correct description

Builder's Signature (there only) *W. E. Gower* Surveyor's Signature *W. E. Gower*

FOR THE NORTHUMBERLAND SHIPBUILDING COMPANY, LIMITED 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)

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

Is the riveted work properly closed?

Are the liners between the frames and plates solid single pieces?

to plate, &c., conform well to each other?

from the faying surfaces?

Are the butts of Plating, Stringers, &c., properly shifted and strapped?

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)?

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)?

General Remarks (State quality of workmanship, &c.)

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of the plating?

State results of tests

State results of tests

This vessel has been built in accordance with the approved plans (2 in 10) forwarded herewith, the Secretamp Letter & in general conformity with the Rules for the 100 A.1 "Shelter Deck" Class.

The workmanship & material are of good quality. The Freeboards assigned by the Rules have been marked on the vessel's sides & verified.

The deck & tunnel have been tested by hoisting & found satisfactory.

This vessel is a sister ship to the same Builders No. 151 S.S. "Salika". Two First Entry Report No. 55317.

Please return the approved plans for dealing with the sister vessel now building.

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. or Break ft., Bridge Dk. ft., E'castle 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)

Official No. ; Signal Letters

State if Machinery is fitted aft

How are the surfaces preserved from oxidation? Inside

Outside

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,	146-5	405	Fore-peak tank,		
Double bottom, under Engines and Boilers,	47-3	192	After peak tank,		38
Double bottom, if under Engines only,			Deep tank, aft,	36-0	870
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	168-9	540	Other tanks, if fitted,		
Total capacity of double bottom		1137	(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

Order for Special Survey No. 3991

Date 30.9.07

No. 156 in builder's yard.

DATES OF SURVEYS held while building

1907 Sep. 30. Oct. 15. 22. 28. 29. 30. Nov. 6. 12. 18. 22. 26. Dec. 3. 13. 19. 1908 Jan. 9. 18. 22. 27. Feb. 19. 25. Mar. 11. 26. Apr. 23. 29. May. 5. 13. 18. 21. 26. Jun. 12. July. 6. 9. 14. 20. 24. 27. 31. Aug. 6. 19. 25. 31. Sep. 2. 4. 9. 15. 22. 28. 30. Oct. 15. 28. Nov. 7. 10. Dec. 8. 15. 16. 1909 Jan. 5. 11. 20. Feb. 1.

Total No. of Visits 59

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee £ 142 : 2 : 0

Travelling Expenses, if any £ :

Fees applied for,

13 FEB 1909

Received by me,

167 2/109

Certificates to be sent to

Newcastle-on-Tyne.

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class.

+ 100 A.1. Shelter Deck with

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

Committee's Minute

Character assigned

FRI. 19 FEB 1909

100 A.1
Shelter deck with flt S. 4. 3"

Lloyd's A.B.P.

+ L.M.B. 2.09
F.D. E.C. light

Cash raised 19/2/09

W242-0145 2