

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office SAT. MAR. 20, 1914

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

Date of completion of report

Survey held at

On the (State if Single, Twin, or Triple Screw)

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

Port of **NEWCASTLE-ON-TYNE**  
Date, First Survey *8th Jan 1912*  
Last Survey *18th March 1914*  
Rig *Belgian*  
Master *BEADON*  
Year of appointment *(1) As Master in service of owner of present vessel: 1911*  
*(2) As Master of this vessel: 1911*  
Built at *Shebburn-on-Sea*  
When built *1914* Launched *12th February 1914*  
By whom built *Palmer's S.B. & Co. Ltd.*  
Owners *The East of England Transport Co. Ltd.*  
Managers *(Where necessary to be entered in Reg. Book.)*  
Residence *London*  
Port belonging to *London*

CLASS + 10 A.1  
"CARRYING PETROLEUM IN BULK"

Breadth (greatest moulded) *54.29*

Depth, at middle of length from top of keel to top of upper deck beams at side *32.70*

Transverse Number *86.99*

Length on deck from fore part of stem to after part of stern post *420.0*

Longitudinal Number *36536*

Depth "d," at middle of length (See Secs. 2 & 13) *✓*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *✓ 12.84*

" " Long Bridge Deck Beam at side to top of keel *✓*

Destined Voyage *Port Arthur-Lima* If Surveyed while Building, Afloat, or in Dry Dock *Special*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
420	0		54	3 1/2		Do. do. do. do. Second Dk. Beams	32	5	Two

Dimensions of Ship per Register, Length *420.1* breadth *54.65* depth *32.45*. Moulded depth, ft. *40* ins. *2 1/2* To Bridge Dk. Round of Upper Dk. Beam, Actual *13 1/2* ins.

FRAMING.						PILLARS.					
FRAME, Angles, or $\square$ or $\angle$ Bars amidships						PILLARS, In 'tween Deck, size and spacing					
Do. in peaks						" " Hold					
Do. in way of Double Bottoms at Solid Floors						" Quarter 'tween Dks.,					
" " at intermdt. Bkts						" in Hold					
Spacing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
" " length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plates above					
" " in peaks						floors, Through Plate, or Intercoastal Plate					
REVERSED FRAME, Angles						Rider Plate					
Do. in way of Double Bottoms at Solid Floors						Flat Plate Keel Angles					
" " at intermdt. Bkts						Horizontal Plates on Floors					
FRAMING, depth of girder						Angle or Bulb Angles					
FLOORS, depth and thickness of Floor Plate						SIDE KEELSONS, Number					
at mid-line for $\frac{1}{2}$ length amidships						Angles or Bulb Angles					
in way of Engine and Boiler Spaces						Plate above floors, for length					
thickness at the ends of vessel						Intercoastal Plate, for length					
depth at $\frac{1}{2}$ the half breadth, as per Rule						Attached to outside Plating with Angle					
height extended at the Bilges						BILGE KEELSON, Angles					
LOORS in Cell. Double Bottoms						Intercoastal Plate for length					
state if flanged (top & bottom)						Attached to outside Plating with Angle					
Spacing of Solid floors						SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.						Angle					
Angles, Top						Intercoastal Plate, for length					
Bottom						Attached to outside plating with Angle					
to Floors						Upper Deck Stringer Plate, br'dth & thickness					
Brackets at intermdt. frmg. wdth & thknss						(clear of Bridge)					
DE GIRDERS, number on each side & thickness						br'dth & thickness					
state if flanged (top and bottom)						(in way of Bridge)					
Angles (top and bottom)						Angle (clear of Bridge)					
to Floors						Tie Plate at sides of Hatchways					
ARGIN PLATE, depth (exclusive of flange)						Deck * <i>Iron or Steel</i> , for <i>full</i> lng.					
and thickness						Thickness (clear of Bridge)					
Angles to Outside Plating						(in way of Bridge)					
Floors						Wood Deck, Material & thickness					
Brackets at intermdt. frmg. wdth & thknss						Second Deck Stringer Plate, br'dth & thickness					
Height of Outside Brackets above at bilge						Angles on ditto, No.					
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Tie Plates outside Hatchways					
in Engine and Boiler space						Deck * <i>Iron or Steel</i> , for <i>full</i> lng.					
Remainder in Hold						Wood Deck, Material & thickness					
AMS, Upper Deck, Single Angle, Bulb						Third Deck Stringer Plate, br'dth & thickness					
Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
In way of Long Bridge						Tie Plates, outside Hatchways					
Spacing						Deck * Material and thickness					
BEAMS, Second Deck, Single Angle, Bulb						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
Spacing						Tie Plates outside Hatchways					
BEAMS, Third and Fourth Deck, Single Angle, Bulb						Deck Material & thickness					
Angle, Plate, Tee Bulb, or Channel						Poop Deck Stringer Plate, breadth & thickness					
Angles on upper edge						Angle on ditto					
Spacing						Tie Plates					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck, Material and thickness					
Angles on upper edge						Bridge Deck Stringer Plate, br'dth & thickness					
Spacing						Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Tie Plates					
Angles on upper edge						Deck, Material and thickness					
Spacing						Forecastle Deck Stringer Plate, br'dth & th'kns					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Angle on ditto					
Angles on upper edge						Tie Plates					
Spacing						Deck, Material and thickness					

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



[illegible]

EQUIPMENT No. 37757				LETTER at				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS					
Number of Certificate.		Anchors.		WEIGHT, E.K. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintended.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
21688	1st Bower	69	0	21	Stockless			53	7	2	0	168	0	0	Ryder's	Not found	Lowe
21703	2nd "	66	0	21	"			57	13	0	14	168	0	0	"	"	24/1/14
21709	3rd "	59	1	0	"			47	18	0	14	158	2	0	"	"	27/1/14
	4th "																Sgt. A. Green
40503	Collective weight	194	2	14								194	2	0			
39691	Stream .....	19	0	0	5	0	0	19	17	2	0	19	0	0	Rodgers	H.P. Parkhurst	Sept 17/13
	Kedge.....	8	0	21	2	0	7	10	5	0	0	8	0	0		J.P. & P. Birnie	4/9/12
CHAIN CABLES.																	
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.	
		Length.	Diam.	Status.	Breaking Load.	Supplied.	Per Rule.	Length.	Diam.								
43269	270	25/16	96/4	34 1/4	722	0	720	3	4	270	25/16	Steel	H.P. Parkhurst	Sept 14/14			
	90	3	59					90	3	E.S.W. Steel	G.H. & Co. Ltd.	March 17/14					
<p><b>Boats</b> 5 Boats      <b>Steering Gear, Steam</b> 14/4 Kachin      <b>Steering Gear, Hand</b> 14/4 Kachin</p> <p><b>Pumps, Number</b> 5      <b>Diameter of Barrel</b> 5      <b>State whether they are in efficient working order</b> Yes</p> <p><b>Windlass is</b> Clarke Chapman &amp; Co patent steam direct      <b>Capstan actng</b> Yes</p> <p><b>Engine Room Skylights.</b>—How constructed? Steel plates + angles      <b>What arrangements for headlights in bad weather?</b> Bull's eyes</p> <p><b>Coal Bunker Openings.</b>—How constructed? Steel casing      <b>How are lids secured?</b> Latchbolts      <b>Height above deck?</b> 18"</p> <p><b>Number of Scupperns,</b> and numbers and dimensions of <b>Freeing Ports, &amp;c.</b> 8 scupperns + 10 freeing ports each side</p> <p><b>Ceiling in Holds,</b> thickness and material None      <b>Cargo Battens</b> thickness and material 6x2 y.p. ✓</p> <p><b>Cargo Hatchways.</b>—How formed? Casement plates + angles + channel casing      <b>Hatches,</b> If strong and efficient? Yes</p> <p><b>State size No. 1 Hatch (Forward)</b> 9'0 x 12'0      <b>No. 2 Hatch</b>      <b>No. 3 Hatch</b>      <b>No. 4 Hatch</b> Yes</p> <p><b>Number of Web Plates, Shifting Beams and Fore and Afters</b> to each Hatch See web + 120 for latter.</p> <p><b>No. of Breasthooks</b> 2      <b>No. of Crutches</b> 2      <b>Main Rail, material and size</b> 6x3x4 S.A.</p> <p><b>Bulkheads,</b> height above deck and description 12' steel</p> <p>The foregoing is a correct description.      Surveyor's Signature M. Madden      Surveyor to Lloyd's Register of British and Foreign Shipping.</p> <p>Builder's Signature (three only) J. H. Widdell</p>																	
<p><b>Correspondence.</b>—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)</p> <p>29/4/12 - 9/5/12 - 22/5/12 - 24/7/12 - 25/5/12 - 26/7/12 - 24/8/12 - 30/8/12 - 25/9/12 - 29/9/12 - 4/10/12 - 24/10/12 - 2/11/12 - 25/11/12 - 5/12/12</p> <p><b>Workmanship.</b> Are the butts of plating planed or otherwise fitted? Planed      State results of tests Satisfactory</p> <p>Is the riveted work properly closed? Yes      State results of tests Satisfactory</p> <p>Are the liners between the frames and plates solid single pieces? Longitudinal framing      Do the holes for riveting plate to frames, butt straps, or plate to plate, &amp;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.</p> <p>Are the butts of Plating, Stringers, &amp;c., properly shifted and strapped? Yes      State results of tests Satisfactory</p> <p>Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes      State results of tests Satisfactory</p> <p>Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes</p> <p><b>General Remarks</b> (State quality of workmanship, &amp;c.)</p> <p>This vessel has been built in accordance with the approved Plans (19 m 70) forwarded herewith the Secretary's letter and in general conformity with the Rules for the 10A1 Class "Carrying Petroleum in bulk". The Freeboards assigned by the Committee have been marked on the vessel's sides &amp; verified.</p> <p>All the oil compartments, Cofferdams &amp; oil fuel compartments have been tested to Rule requirements &amp; found satisfactory.</p> <p>This vessel has been fitted with Mareconi Wireless Telegraphy Installation.</p> <p>This vessel is a sister ship to the same Builders No. 530 J.S. SAN VALERIO Two Last Survey Report No. 65301.</p> <p>The Surveyor should state the Number of Report and Name of any Sister Vessel.</p>																	
<p>The amount of Entry Fee ..... £ 5 : 0 : 0      Fees applied for, MAR 27 1914</p> <p>Special Survey Fee... £ 18 : 6 : 6      Received by me, 4/4/14</p> <p>Travelling Expenses, if any £ : : :      CNP 4/4/14</p> <p>State whether the Vessel has been built under Special Survey</p> <p>I am of opinion this Vessel should be Classed + 10A1 Carrying Petroleum in Bulk</p> <p>With, or without Freeboard, as condition of Class Without Longitudinal Framing</p> <p>Committee's Minute TUE. MAR. 31. 1914</p> <p>Character assigned 100A1</p> <p>carrying petroleum in bulk</p> <p>Lloyd's ASD</p> <p>+ L.N.B. 3. 14</p> <p>F.D. Fitted for low plank</p>																	



## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.			AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
			In Ship.			IN END OIL COMPARTMENT. In Ship.			Per Rule or as approved.			IN OIL COMPARTMENT. Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
															Diam.	Speng.			Number.	Diameter.
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.			Inches.		
Framing of $\pm, L, E$ .....																				
Frames in Bridge 'tween Decks ...			7	3	40				7	3	40				7/8	5/4	5 1/4" throughout	8	7/8	
Frames from Uppermost Continuous Deck No. 1			7 1/2	3 1/2	40	7 1/2	3 1/2	40	7 1/2	3 1/2	40	7 1/2	3 1/2	40	"	"	"	"	"	
Framing from Awning Shelter or Upper Deck to Margin Plate. CENTRE LINE. CHANNELS.			" 2	7 1/2	3 1/2	40	7 1/2	3 1/2	40	7 1/2	3 1/2	40	7 1/2	3 1/2	40	"	"	"	"	
			" 3	8 1/2	3 1/2	48	8 1/2	3 1/2	44	8 1/2	3 1/2	48	8 1/2	3 1/2	44	"	"	"	12	"
			" 4	9	3 1/2	48	9	3 1/2	44	9	3 1/2	48	9	3 1/2	44	"	"	"	11	"
			" 5	10	3 1/2	48	10	3 1/2	44	10	3 1/2	48	10	3 1/2	44	"	"	4" for 12 rivets	"	"
			" 6	10	3 1/2	50	10	3 1/2	46	10	3 1/2	50	10	3 1/2	46	"	"	"	"	"
			" 7	11	3 1/2	50	11	3 1/2	46	10 1/2	3 1/2	52	10	3 1/2	48	"	"	"	12	"
			" 8	11	3 1/2	52	11	3 1/2	48	11	3 1/2	52	11	3 1/2	48	"	"	3 1/8	"	"
			" 9	11	3 1/2	58	11	3 1/2	54	11	3 1/2	58	11	3 1/2	54	"	"	"	"	"
			" 10	12	4	62 1/2	12	4	62 1/2	12	4	62 1/2	12	4	62 1/2	"	"	4	"	"
			" 11	12	4	64	12	4	64	12	4	64	12	4	64	"	"	"	18	"
			" 12	15	4 1/2	68 1/2	15	4 1/2	68 1/2	15	4 1/2	68 1/2	15	4 1/2	68 1/2	"	"	"	"	"
			" 13	Plate 17	40	Plate 17	36	Plate 17	40	Plate 17	36	Plate 17	40	Plate 17	36	"	"	"	14	"
			" 14	Moments		Moments		Moments		Moments		Moments		Moments		"	"	"	"	"
			" 15	3 1/2	3 1/2	40	3 1/2	3 1/2	36	3 1/2	3 1/2	40	3 1/2	3 1/2	36	"	"	"	"	"
			" 16	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	"	"	"	"	"
Spacing of Longitudinal Frames			30" to 27"			30" to 27"			30" to 27"			30" to 27"								
Double Bottoms $\pm, L, E$ Tank Top Longitudinals Bottom			7	3 1/2	48	7	3 1/2	42	7	3 1/2	48	7	3 1/2	42	7/8	5/4	4 1/2" for 5 rivets			
Spacing of Longitudinals			30			30			30			30								
Transverses			15	38	15	38	15	38	15	38	15	38	15	38						
In Bridge 'tween Decks			4	3 1/2	40	4	3	40	4	3 1/2	40	4	3	40	7/8	4				
In Awning Shelter or Upper 'tween Decks.			4	3 1/2	44	4	3 1/2	44	4	3 1/2	44	4	3 1/2	44	7/8	4				
In Hold.			4	3 1/2	44	4	3 1/2	44	4	3 1/2	44	4	3 1/2	44	7/8	4				
Spacing of Transverse Frames			11-9"			11-9"			11-9"			11-9"								
Longitudinal Beams of $\pm, L, E$			6	3	36	6	3	36	6	3	36	6	3	36	33	23 1/2				
			7 1/2	3	40	7	3	40	7 1/2	3	40	7	3	40	30"					
			8 1/2	3	44	8	3	44	8 1/2	3	44	8	3	44	23 to 28 1/2					

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

PARTICU  
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5c, 8, 12.—T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

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 Dks. (H.C.) & wood frames - Longitudinal framing.*

Official No. .... ; Signal Letters

State if Machinery is fitted aft

How are the surfaces preserved from oxidation?

Outside. *Pawit*

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

PARTICULARS OF WATER BALLAST.			State whether the vessel is fitted with water ballast tanks.		
Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft.	74	184	Fore peak tank.		110
Double bottom, under Engines and Boilers.			After peak tank.		28
<del>Double bottom, if under Engines only.</del>			<del>Deep tank, aft.</del>	39	445
Double bottom, if under Boilers only.			Deep tank, forward.		
<del>Double bottom, forward.</del>			<del>Other tanks, if fitted.</del>		
Total capacity of double bottom		184	(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. 4362

Date 17.8.1912

No. 831 in builder's yard.

DATES of Surveys  
held while building

1913 Jan 8 Feb. 3 4 11. Apr. 14. May. 26. Jun. 20. Jul. 8 15 22 25 28 31. Aug. 6 7 11 28.  
Sep. 1 8 11 15 18 22 29. Oct. 1 9 15 22 30. Nov. 13 18. Dec. 1 10 15 17 30. 1914 Jan 7 14  
15 16 17 18 20 22 23 26 27 28 29 30 31. Feb. 2 3 4 5 6 10 11 12 14 16 17 27. Mar. 2 9 11  
16 17 18

Total No. of Visits.....70

Surveyor's Signature

M. S. Sullivan