

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office

MON 20 FEB. 1922

Date of completion of report December 28<sup>th</sup> 1921  
Survey held at Hong Kong China

State if Report is also sent on the Machinery of the Vessel yls  
Port of Hong Kong China  
Date, First Survey February 23<sup>rd</sup> 1921

No. 5242  
Last Survey December 19<sup>th</sup> 1921

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

PALUDINA

Rig Schooner

Net Tonnage under  
Main Deck...  
between Tonnage Dk. and 3rd and 4th Dk. ...  
Net Tonnage under Upper Dk. 5295.19  
of Poop 67.36  
of R.C. CHART HOUSE 8.38  
of Bridge House 47.35  
of Forecastle 120.61  
of Houses on Dk. 170.09  
of excess of Hatchways above Crown of Engine Room 109.88  
Gross Tonnage 5818.86  
Crew Space 252.01  
above Crown of Engine Room ...  
Net Tonnage for Fees...  
Engine Room 1862.03  
Navigation Spaces 213.46  
Register Tonnage 3491.36  
cut on Beam ...

CLASS + 100 A.1.

FEET.

Master W. Metwell

Year of appointment

(1) As Master in service of owner of present vessel:—191  
(2) As Master of this vessel:—19

Built at Hong Kong China

When built 1921 Launched 24/9/21

By whom built The Hong Kong & Whampoa Dock Co

Owners Anglo Saxon Petroleum Co Ltd

Managers

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

Residence

London.

Port belonging to

London.

Destined Voyage Singapore.

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

LENGTH on Deck as per Rule ... 412 0  
BREADTH—Moulded ... 53 1  
DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 30 11 1/2  
Second Dk. Beams 23 11 1/2  
No. of Decks with flat laid 2  
No. of Tiers of Beams 2  
Moulded depth, ft. 38 ins. 6  
To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.  
Moulded depth, ft. 31 ins. 0  
To Upper Dk.

Dimensions of Ship per Register, Length 412.0 breadth 53.3 depth 31.0

FRAMING.				PILLARS.			
NAME, Angles, or Bars amidships				PILLARS In 'tween Deck, size and spacing			
Do. in peaks (aft)				" " 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 in peaks..				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
REVERSED FRAME, Angles. IN AFT PEAK				" 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				" Angles or Bulb Angles			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships...				SIDE KEELSONS, Number			
" in way of Engine and Boiler Spaces				" Angles or Bulb Angles			
" thickness at the ends of vessel				" Plate above floors, for length...			
" depth at 1/2 the half breadth, as per Rule				" Intercoastal Plate, for length			
" height extended at the Bilges				" Attached to outside Plating with Angle...			
FLOORS in Cell, Double Bottoms (ENGINE RM)				BILGE KEELSON, Angles			
" state if flanged (top & bottom)				" Intercoastal Plate for length			
" Spacing of Solid floors				" Attached to outside Plating with Angle			
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness				SIDE STRINGERS, Number			
" Angles, Top				" Angle			
" Bottom				" Intercoastal Plate, for length			
" to Floors				" Attached to outside plating with Angle			
BRACKETS at intermdt. frmg., width & thickness				Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)			
SIDE GIRDERS, number on each side & thickness				" " " br'dth & thickness (in way of Bridge)			
" state if flanged (top and bottom)				" " Angle (clear of Bridge)			
" Angles (top and bottom)				" " Tie Plate at sides of Hatchways			
" to Floors				" Deck * Iron or Steel, for whole lng.			
MARGIN PLATE, depth (exclusive of flange) and thickness				" " Thickness (clear of Bridge)			
" Angle to Outside Plating				" " (in way of Bridge)			
" Floors				" Wood Deck. Material & thickness			
" Brackets at intermdt. frmg., width & thickness				Second Deck Stringer Plate, br'dth & thickness			
" Height of Outside Brackets above at bilge				" Angle on ditto, No. one			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Tie Plates outside Hatchways			
" in Engine and Boiler space				" Deck * Iron or Steel, for whole lng.			
" Remainder in Holds				" Wood Deck. Material & thickness			
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel				Third Deck Stringer Plate, br'dth & thickness			
" In way of Long Bridge				" Angles on ditto, No.			
" Spacing				" Tie Plates, outside Hatchways			
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel				" Deck * Material and thickness			
" Spacing				Fourth and Fifth Deck Stringer Plate, breadth & thickness			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" Angles on ditto, No.			
" Angles on upper edge				" Tie Plates outside Hatchways			
" Spacing				" Deck. Material & thickness			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				Poop Deck Stringer Plate, breadth & thickness			
" Angles on upper edge				" Angle on ditto			
" Spacing				" Tie Plates			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" Deck. Material and thickness steel			
" Angles on upper edge				Bridge Deck Stringer Plate, br'dth & thickness			
" Spacing				" Angle on ditto			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" Tie Plates			
" Angles on upper edge				" Deck. Material and thickness steel			
" Spacing				Forecastle Deck Stringer Plate, br'dth & thickness			
				" Angle on ditto			
				" Tie Plates			
				" Deck. Material and thickness steel			

WEB FRAMES.				FORGINGS OR CASTINGS.				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness				1st Bower				2nd Bower			
No. of Side Stringers				STEM, moulding and thickness				3rd Bower				4th Bower			
WEB-FRAMES, In E. & B. Space, No. and spacing				STERN-POST for Rudder do. do.				4th Bower				Collective weight.			
brdth. & thickness				for Propeller				RUDDER-A&D* Table 22. Speed				Stream			
WEB-FRAMES, In After Body, No. and spacing				RUDDER-A&D* Table 22. Speed				Kedge				Particulars of Drop Test of			
brdth. & thickness				Main-Piece, diameter at head				Weight, Surveyor's Initials,				Number of Certificate, Date			
No. of Side Stringers				at heel				Test.				1st Bower			
Size of Face Angles to Web-Frames				Thickness of Plates or Single Plate				2nd Bower				2nd Bower			
BRACKET PLATES to Stringers between				Can the Rudder be unshipped afloat?				3rd Bower				3rd Bower			
Web Frames, depth and thickness				Manufacturer's name or trade mark of the Iron or Steel (state process of				4th Bower				4th Bower			
				manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer											
				Plates, Plating, &c.?											
				The Consolidated Steel Corporation, New York.											
				The Great Hill Steel Co., Cambridge Mills, Franklin Mills, etc.											
				Has the Steel been tested as required by the Rules?											
				Yes											

  

BULKHEADS.				STIFFENERS.				RIVETING.				PLATING.			
Number, Thickness, Vessel, Per Rule, Inches.				Horizontal, Vertical, Size, Spacing, Inches.				Single or Double, Breadth, Thickness, Inches.				AS IN SHIP, PER RULE OR AS APPROVED, Breadth, Thickness, Inches.			
W.T. BULKHEADS				15 7 50-38				10-3 3/4 30 30x4 10-0				11 5 11 5 11 5			
COLLISION PARTITION				10 7 50-38				10-3 3/4 30 30x4 10-0				11 5 11 5 11 5			
LONGITUDINAL				10 7 50-38				10-3 3/4 30 30x4 10-0				11 5 11 5 11 5			

  

BUTTS.				PLATING.				RIVETING.				STRAPS.			
Double or Triple, Breadth, Thickness, Inches.				AS IN SHIP, PER RULE OR AS APPROVED, Breadth, Thickness, Inches.				Single or Double, Breadth, Thickness, Inches.				Double or Triple, Breadth, Thickness, Inches.			
18 3 3/8 2 1/2 1 1/2 1 1/2				18 3 3/8 2 1/2 1 1/2 1 1/2				18 3 3/8 2 1/2 1 1/2 1 1/2				18 3 3/8 2 1/2 1 1/2 1 1/2			

  

FRAMES.				MASTS, SPARS, &c.			
Upper Deck				Lower Masts			
Butts, Riveted for 20 7/8				Fore 10-3 3/4 90-3			
Stringer Plate				Main 10-3 3/4 90-3			
Second Deck				Mizen 10-3 3/4 90-3			
Stringer Plate							
Frames, riveted through Plates with 7/8 in. Rivets, about 1/4 apart.							
Rivets, state whether Iron or Steel							

EQUIPMENT No. 36240				LETTER Z				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate				Weight, Ex. Stock				Test, Per Certificate				Description of Anchor			
84942				1st Bower				2nd Bower				3rd Bower			
84940				3rd Bower				4th Bower				Collective weight.			
84941				Stream				Kedge				Particulars of Drop Test of			
84941				Kedge								Weight, Surveyor's Initials,			
												Number of Certificate, Date			
												Test.			
												1st Bower			
												2nd Bower			
												3rd Bower			
												4th Bower			

  

CHAIN CABLES.				HAWERS AND WARPS.											
Number of Certificate				Length and size supplied				Test per Certificate				Weight of Chain Cable			
69554				135 2 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2			
69583				135 2 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2			
Iron (Stream)				90 2 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2				10 1/2 10 1/2 10 1/2			

  

Boats				Steering Gear, Steam				Steering Gear, Hand			
Pumps, Number				Diameter of Barrel				State whether they are in efficient working order			
4				12				Yes			
Windlass is				Capstan				State whether they are in efficient working order			
Engine Room Skylights				How constructed?				What arrangements for deadlights in bad weather?			
Coal Bunker Openings				How constructed?				How are lids secured?			
Number of Scuppers				and numbers and dimensions of Freeing Ports, &c.				Cargo Batts, thickness and material			
Ceiling in Holds				thickness and material				Cargo Hatchways			
State size No. 1 Hatch (Forward)				No. 2 Hatch				No. 3 Hatch			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				No. of Breasthooks				No. of Crutches			
Bulwarks, height above deck and description				Main Rail, material and size				The foregoing is a correct description.			
Builder's Signature				Surveyor's Signature				Surveyor to Lloyd's Register of Shipping.			

  

Correspondence.				Workmanship.			
State dates and initials of letters respecting this case				Are the butts of plating planed or otherwise fitted?			
13/3/20, 4/10/20, 6/10/20, 28/2/21, 7/4/21, 18/4/21				Planed where practicable			
Is the riveted work properly closed?				Yes			
Are the liners between the frames and plates solid single pieces?				Longitudinal framing			
to plate, &c., conform well to each other?				Yes			
Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces?				Yes			
Are the butts of Plating, Stringers, &c., properly shifted and staggered?				Yes			
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?				Yes			
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?				Yes			
General Remarks (State quality of workmanship, &c.)				This vessel has been built in accordance with the approved Plans, and the Rules of this Society.			
The materials and workmanship are of good quality.				The Cargo Tanks, oil fuel tanks, effluents, and water ballast tanks have all been tested as required by the Rules and found satisfactory.			
Vessel is fitted out for wireless				Sitter for oil fuel 12. 1921 F.P. above 150° F.			

  

Fees.				Committee's Minute			
The amount of Entry Fee				Character assigned			
139				10001			
Special Survey Fee				Carrying petroleum in bulk			
200				Lloyd's Register of Shipping			
Travelling Expenses, if any				Lloyd's Register of Shipping			
State whether the Vessel has been built under Special Survey				Lloyd's Register of Shipping			
I am of opinion this Vessel should be Classed				Lloyd's Register of Shipping			
With, or without Freeboard, as condition of Class				Lloyd's Register of Shipping			
Committee's Minute				Lloyd's Register of Shipping			
Character assigned				Lloyd's Register of Shipping			

## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.															
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spang.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.													
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.												
Framing of $\lambda, \lambda, \lambda, \lambda$ C																													
Frames in Bridge 'tween Decks...		6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	7/8	5/4	7	7/8									
Frames from Uppermost Continuous Deck No. 1		6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	7/8	5/4	7	7/8									
" 2		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 3		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	8	7/8									
" 4		7	3 3/4	35	7	3 3/4	35	7	3 3/4	35	7	3 3/4	35	7	3 3/4	35	7/8	5/4	"	"									
" 5		8 1/2	4 1/2	37 1/2	8	3 1/2	37 1/2	7	3 1/2	43 1/2	7	3 1/2	43 1/2	"	"	3.9	for 9 rivets	"	"	"									
" 6		8	3 5/8	42 1/2	8	3 5/8	42 1/2	8	3 1/2	41 1/2	8	3 1/2	41 1/2	"	"	"	"	"	"	"									
" 7		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10	7/8									
" 8		10	3 1/2	42 1/2	10	3 1/2	42 1/2	10	3 1/2	40	10	3 1/2	40	"	"	3.1	"	"	"	"									
" 9		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 10		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 11		13	4	45	13	4	45	13	4	45	13	4	45	"	"	3.9	"	18	"	"									
" 12		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 13		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	7/8									
" 14		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 15		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
" 16		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"									
Spacing of Longitudinal Frames		Amidships		46	At Ends		46	Amidships		46	At Ends		46	Amidships		46	At Ends		4	"									
Double Bottoms		Tank Top Longitudinals		8	Bottom		8	Tank Top Longitudinals		7	Bottom		7	Tank Top Longitudinals		7	Bottom		"	"									
Spacing of Longitudinals		At Ends		30	At Ends		30	At Ends		30	At Ends		30	At Ends		30	At Ends		"	"									
Transverses.																													
In Bridge		Depth and Thickness			15	38			15	38			Bottom transverses				44	x 46		"	"								
'tween Decks		Face Angles			4	3 1/2			4	3 1/2			Face Bars				6	x 4		x 60	"	"							
		Lugs to Shell*			3 1/2	3 1/2			3 1/2	3 1/2			Lugs to Shell				6	x 6		x 43	"	"							
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			18	41			18	41			21 F				18 A		41			"	"						
		Face Angles			4	3 1/2			4	3 1/2			4	3 1/2			4	3 1/2			44			"	"				
		Lugs to Shell*			3 1/2	3 1/2			3 1/2	3 1/2			3 1/2	3 1/2			3 1/2	3 1/2			43	7/8		4	"				
In Hold.		Depth and Thickness			28	46			28	46			34 F				30 A		46			"			"	"			
		Face Angles			6	4			6	4			6	4			6	4			60			"			"	"	
		Lugs to Shell*			6	6			6	6			6	6			6	6			43	7/8		4	"	"			
		Brackets			8'-8"	8'-8"			8'-8"	8'-8"			8'-8"	8'-8"			8'-8"	8'-8"			"			"			"	"	
Spacing of Transverse Frames		JOGGLED			8'-8"			8'-8"			8'-8"			8'-8"			8'-8"												
Longitudinal Beams of $\lambda, \lambda, \lambda, \lambda$ C		Bridge Deck ...			6	3 1/2			6	3 1/2			Spacing.				3'-4 1/2												
		Awning Shelter Dk.			6	3 1/2			6	3 1/2			Transverse				30												
		Upper			6	3 1/2			6	3 1/2			6	3 1/2			6	3 1/2			30								
		Second			7	3 1/2			7	3 1/2			7	3 1/2			7	3 1/2			24	27							
		Third			"	"			"	"			"	"			"	"			"								

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.

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.

5c2,30.—T.

W692-0192 3

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 110.25 ft., R.Q.D. ✓ ft., Bridge 32.5 ft., Forecastle 56.75 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) 2 A.K.s. (Steel) and web frames

Official No. 151433; Signal Letters.

State if Machinery is fitted aft

Yes

How are the surfaces preserved from oxidation? Inside Paint &amp; asphalt outside at tanks

Outside

By Paint

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

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	21	100
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	16	99
Double bottom, if under Engines only, AFT.	34.0	97 1/2	Deep tank, aft,	32	333
Double bottom, if under Boilers only,	46.75	138	Deep tank, forward,		
Double bottom, forward,	✓	✓	Other tanks, if fitted,		
Total capacity of double bottom		235 1/2	(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks. 80-75			State whether the above have been tested as required by the Rules. Yes. ✓		

Order for Special Survey No.

Date 17/1/20

No. 580 in builder's yard.

Dates of Surveys held while building

1921/22: Feb 23, 25, 28; March 3, 4, 7, 9, 11, 12, 21, 29, 31; April 1, 2, 6, 8, 12, 14, 18, 20, 25, 28; May 2, 4, 6, 9, 11, 13, 18, 20, 26, 30; June 2, 6, 8, 11, 13, 16, 18, 21, 22, 23, 24, 28, 30; July 4, 6, 7, 11, 13, 15, 18, 20, 21, 23, 25, 27, 29; Aug 1, 3, 4, 6, 8, 9, 10, 13, 15, 17, 19, 22, 24, 25, 26, 29, 31; Sept 1, 2, 6, 7, 8, 9, 10, 12, 13, 15, 16, 19, 21, 22, 24, 28, 29; Oct 4, 5, 7, 10, 11, 12, 13, 15, 17, 19, 20, 22, 24, 25; Dec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 19, 21, 24, 25, 26, 29; December 1, 2, 6, 8, 9, 10, 11, 14, 16, 19.

Total No. of Visits 139

Surveyor's Signature

John S. Gardiner's Register Foundation