

With or Without

STEEL STEAMER.

Received at London Office 12 1922

Disconnected Erections.

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

Date of completion of report *April 29th 1922*

Port of *Hong Kong China*

No. *5311*

Survey held at *Hong Kong*

Date, First Survey *March 29th 1921*

Last Survey *April 28th 1922*

1922

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

"*PLANORBIS*" Rig *Schooner*

TONNAGE under Tonnage Deck...

CLASS *100 A.I.*

FEET.

Master

Year of appointment

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

Built at *Hong Kong China*

When built *1922* Launched *April 4th 1922*

By whom built *The Hong Kong & Whampoa Dock Co. Ltd.*

Owners *The Anglo Siam Petroleum Co. Ltd.*

Managers

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

Residence *London*

Port belonging to *London*

Do. between Tonnage Dk. and 3rd and 4th Dk. *5295.19*
Do. of Poop *67.36*
Do. of R.O.D. Chart House *8.38*
Do. of Bridge House *47.35*
Do. of Forecastle *120.61*
Do. of Houses on Dk. *170.09*
Do. of excess of Hatchways *109.88*
Do. above Crown of Engine Room *5818.86*
Gross Tonnage *252.01*
Less Crew Space *252.01*
above Crown of Engine Room *1862.03*
AGE FOR FEES *213.46*
Engine Room *3491.36*
Navigation Spaces

Breadth (greatest moulded) *53.08*
Depth, at middle of length from top of keel to top of upper deck beams at side *31.00*
Transverse Number *184.08*
Length on deck from fore part of stem to after part of stern post *412.00*
Longitudinal Number *134640*
Depth "d" at middle of length (See Secs. 2 & 18) *13.2*
Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.2*
Long Bridge Deck Beam at side to top of keel

Destined Voyage *Singapore*

If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Dimensions of Ship per Register, Length *412.0* breadth *53.3* depth *31.0*
Moulded depth, ft. *38* ins. *6* To Bridge Dk. Round of Upper Dk. Beam, Actual *125.1* ins.
Moulded depth, ft. *31* ins. *0* To Upper Dk.

FRAMING.						PILLARS.					
Inches in Ship						Inches in Ship					
NAME, Angles, or [or] Bars amidships						PILLARS In 'tween Deck, size and spacing					
Do. in peaks (After) <i>angle L</i>						" " Hold					
Do. in way of Double Bottoms at Solid Floors						" Quarter 'tween Dks.,					
" " at intermdt. Bkts.						" " in Hold					
acing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
" " length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above					
" " in peaks						floors, Through Plate, or Intercoastal Plate					
EVERSED FRAME, Angles <i>IN AFT. PEAK</i>						Rider Plate					
Do. in way of Double Bottoms at Solid Floors						Flat Plate Keel Angles					
" " at intermdt. Bkts.						Horizontal Plates on Floors					
RAMING, depth of girder						Angles or Bulb Angles					
LOORS, depth and thickness of Floor Plate						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					
LOORS in Cell. Double Bottoms <i>ENGINE ROOM</i>						BILGE KEELSON, Angles					
" state if flanged (top & bottom)						Intercoastal Plate for length					
" Spacing of Solid floors						Attached to outside Plating with Angle					
ENTRE GIRDER, in Dbl. bottom, dpth. & thcknss						SIDE STRINGERS, Number					
" Angles, Top						Angle					
" Bottom						Intercoastal Plate, for length					
" to Floors						Attached to outside plating with Angle					
Brackets at intermdt. frmg., wdth & thkns						Upper Deck Stringer Plate, br'dth & thickness					
IDE GIRDERS, number on each side & thickness						(clear of Bridge)					
" state if flanged (top and bottom)						br'dth & thickness					
" Angles (top and bottom)						(in way of Bridge)					
" to Floors						Angle (clear of Bridge)					
MARGIN PLATE, depth (exclusive of flange)						Tie Plate at sides of Hatchways					
" Angle to Outside Plating						Deck. * Iron or Steel, for <i>whole</i> lng.					
" Floors						Thickness (clear of Bridge)					
Brackets at intermdt. frmg., wdth & thkns						(in way of Bridge)					
Height of Outside Brackets above at bilge						Wood Deck. Material & thickness					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Second Deck Stringer Plate, br'dth & thickness					
" in Engine and Boiler space						Angles on ditto, No. <i>one</i>					
" Remainder in Holds						Tie Plates outside Hatchways					
EAMS, Upper Deck, Single Angle, Bulb						Deck. * Iron or Steel, for <i>whole</i> lng.					
Angle, Plate, Tee Bulb, or Channel						Wood Deck. Material & thickness					
In way of Long Bridge						Third Deck Stringer Plate, br'dth & thickness					
Spacing						Angles on ditto, No.					
EAMS, Second Deck, Single Angle, Bulb						Tie Plates, outside Hatchways					
Angle, Plate, Tee Bulb, or Channel						Deck. * Material and thickness					
Spacing						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
EAMS, Third and Fourth Deck, Single Angle, Bulb						Angles on ditto, No.					
Angle, Plate, Tee Bulb, or Channel						Tie Plates outside Hatchways					
Angles on upper edge						Deck. Material & thickness					
Spacing						Poop Deck Stringer Plate, breadth & thickness					
EAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Angles on ditto					
Angles on upper edge						Tie Plates					
Spacing						Deck. Material and thickness <i>Steel</i>					
EAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Bridge Deck Stringer Plate, br'dth & thickness					
Angles on upper edge						Angles on ditto					
Spacing						Tie Plates					
EAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck. Material and thickness <i>Steel</i>					
Angles on upper edge						Forecastle Deck Stringer Plate, b'dth & th'kns					
Spacing						Angles on ditto					
						Tie Plates					
						Deck. Material and thickness <i>Steel</i>					
						and sheathed with <i>15 x 3 Oregon Pine</i>					

WEB FRAMES.

WEB-FRAMES, In Fore Body, No. and spacing
" " " brdth. & thickness
" " " No. of Side Stringers " " " "

WEB-FRAMES, In E. & B. Space, No. & spacing
" " " brdth. & thickness
" " " " " " " "

WEB-FRAMES, In After Body, No. and spacing
" " " brdth. & thickness
" " " " " " " "

Size of Face Angles to Web-Frames.....
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....

BULKHEADS.

Number. Thickness. STIFFENERS. Single or Double Frames. Height up, state deck.

W.T. BULKHEADS 16 Y 50-38 10x3-45 30 30x4-44 10-0 DOUBLE 12 to UPPER DECK and 14 to 2nd DECK.

AFT PEAK 46-38 10x3-45 30 30x4-44 10-0 DOUBLE 12 to UPPER DECK and 14 to 2nd DECK.

" COLLISION " 50-42 10x3-45 30 30x4-44 10-0 DOUBLE 12 to UPPER DECK and 14 to 2nd DECK.

PARTITION " 50-42 10x3-45 30 30x4-44 10-0 DOUBLE 12 to UPPER DECK and 14 to 2nd DECK.

LONGITUDINAL " 50-38 10x3-45 30 30x4-44 10-0 DOUBLE 12 to UPPER DECK and 14 to 2nd DECK.

Are the outside Plates doubled two spaces of Frames in length? No. Rought Framing

Are the Sluice Valves and Watertight Doors in efficient working order? None

FORGINGS & CASTINGS.

KEEL, Bar, depth and thickness 10 1/2 x 2 3/4 10 1/2 x 2 3/4

STEM, moulding and thickness 11 x 8 11 x 8

STERN-POST for Rudder do. do. 11 1/2 x 8 11 1/2 x 8

" for Propeller 11 1/2 x 8 11 1/2 x 8

RUDDER-A x D Table 22. Speed 496 Speed 10-12 Knots

" Main-Piece, diameter at head 10 10

" " at heel 7 1/2 7 1/2

RUDDER, how constructed Built, Forging

" Thickness of Plates or Single Plate 1 1/2

Can the Rudder be unshipped afloat? Yes

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 heart

The Consolidated Steel Corporation, New York.

The British Steel Co., Cambria Mills, Franklin Mills and the Lackawanna Steel Co. Co.

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

PLATING.

AS IN SHIP. PER RULE OR AS APPROVED.

STRAKES. AMIDSHIP. FORWARD. AFT. AMIDSHIP.

FLAT PLATE KEEL 48 .94 .69 .69 48 .94

GARBOARD OF A STRAKE 66 .62 .46 .46 66 .62

State actual thickness in wa. of Double Bottom.

C " " " " " " " "

D " " " " " " " "

E " " " " " " " "

F " " " " " " " "

G " " " " " " " "

H " " " " " " " "

J " " " " " " " "

K " " " " " " " "

SHEER STRAKE L 57 1.00 " " 57 1.00

M " " " " " " " "

N " " " " " " " "

O " " " " " " " "

P " " " " " " " "

Q " " " " " " " "

R " " " " " " " "

S " " " " " " " "

T " " " " " " " "

U " " " " " " " "

V " " " " " " " "

W " " " " " " " "

THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF Flat Plate Keel

" Sheerstrakes Length and thickness. Increased to 1.10 at Top of Groat and Bridge ends

POOF SIDES .42 .38 .38 SINGLE 3 3/4 3 DOUBLE 3 3/4 2 1/2 5 FULL

SHORT BRIDGE SIDES .42 .42 .42 DOUBLE 5 1/4 3 1/2 TREBLE 5 3/8 3 5 9

FORECASTLE SIDES .42 .42 .42 SINGLE 3 3/4 3 DOUBLE 3 3/4 2 1/2 5 FULL

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

RIVETING.

EDGES. Ordinary or Joggled? Ordinary

BUTTS. Double or Treble and for what length. Rivets. Straps. If LAPPED.

FLAT PLATE KEEL 6 3/4 1 1/2 1 1/2 TREBLE F-A 1 1/2 3 3/4 2 1/2 .66

GARBOARD OF A STRAKE 5 1/4 3/8 3/8 QUAD. & TREB. 7 1/2 3 3/4 12 FULL

State actual thickness in wa. of Double Bottom.

C " " " " " " " "

D " " " " " " " "

E " " " " " " " "

F " " " " " " " "

G " " " " " " " "

H " " " " " " " "

J " " " " " " " "

K " " " " " " " "

SHEER STRAKE L 6 3/4 1 1/2 1 1/2 QUAD. & TREB. 1 1/2 4 2 1/2 1.00

M " " " " " " " "

N " " " " " " " "

O " " " " " " " "

P " " " " " " " "

Q " " " " " " " "

R " " " " " " " "

S " " " " " " " "

T " " " " " " " "

U " " " " " " " "

V " " " " " " " "

W " " " " " " " "

THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF Flat Plate Keel

" Sheerstrakes Length and thickness. Increased to 1.10 at Top of Groat and Bridge ends

POOF SIDES .42 .38 .38 SINGLE 3 3/4 3 DOUBLE 3 3/4 2 1/2 5 FULL

SHORT BRIDGE SIDES .42 .42 .42 DOUBLE 5 1/4 3 1/2 TREBLE 5 3/8 3 5 9

FORECASTLE SIDES .42 .42 .42 SINGLE 3 3/4 3 DOUBLE 3 3/4 2 1/2 5 FULL

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Butts, QUAD. riveted for To TREBLE length amidship.

Stringer Plate Straps, single, double or overlapped for length amidship.

Second Deck Butts, TREBLE riveted for To DOUBLE length amidship.

Stringer Plate Straps, single or overlapped for length amidship.

Inner Bottom Plating, riveting of Edges DOUBLE Butts TREBLE & DOUBLE

Centre Girder Butts, TREBLE riveted. Keelson Butts, riveted.

Frames, riveted through Plates with 1/2 in. Rivets, about PAGE 4 apart.

Rivets, state whether Iron or Steel STEEL

FRAMES extend in one length from LONGITUDINAL FRAMING to State if ordinary or joggled ORDINARY

REVERSED FRAMES on floors and frames extend from State if ordinary or joggled

MASTS, SPARS, &c.

Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. RIVETING.

LOWER MASTS Fore STEEL 91' 3" 90' 3" 23 1/2 x 3 1/4 23 1/2 x 3 1/4 20 x 3 1/4 19 x 3 1/4 Two

Main STEEL 91' 3" 90' 3" 23 1/2 x 3 1/4 23 1/2 x 3 1/4 20 x 3 1/4 19 x 3 1/4 Two

Mizen Mizzen

Bowsprit

Topmasts, Yards and Remainder of Spars PITCH PINE

Rigging, Material and Size, Shrouds 3/4 S.W.

Sails. Suit of Sails, and the following spare sails.

EQUIPMENT No. 36185 LETTER Z

ANCHORS.

Number of Certificate. Anchors. WEIGHT, EX. STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

85275 1st Bower 64 0 0 130 10 0 0 13 3 0 Halls (Stockholm) N. Hingley & Sons, Reberton 17/9/21 H. Green

85274 2nd " 60 0 0 130 10 0 0 13 3 0 " " " " " " " "

85273 3rd " 59 0 0 130 10 0 0 13 3 0 " " " " " " " "

4th " 183 0 13 182 0 0 " " " " " " " "

85213 Stream 17 3 2 19 0 0 0 17 2 0 Rodgers (not from) N. Hingley & Sons, Reberton 26/8/21 H. Green

85214 Kedge 7 2 9 9 15 13 21 7 2 0 " " " " " " " "

Particulars of Drop Test of Cast Steel Anchors, viz.:-
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 37. 0. 14. MR. 98. 13 2/21
2nd " 34. 2. 21. W.A.D. 606. 11 8/21
3rd " 34. 3. 14. W.A.D. 604. 4 8/21
4th "

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 Cable. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 31.

69689 30 238 10 1/2 142 1/2 8 1/2 1 1/2 270 2 1/2 N. Hingley & Sons, Reberton 11/8/21 H. Green

69690 135 6 380 0 10 270 2 1/2 " " " " " " " "

69664 105 6 295 0 10 270 2 1/2 " " " " " " " "

Local Stream 270 0 10 270 2 1/2 " " " " " " " "

Steel Wire 90 1 1/4 163 754 0 10 90 1 1/4 " " " " " " " "

HAWSERS AND WARPS.

Boats Four Riboats and one Dinghy Steering Gear, Steam Apt. in Groat. Steering Gear, Hand Apt. in Groat.

Pumps, Number As per approved Pumping Plan Diameter of Barrel State whether they are in efficient working order

Windlass is Clarke Chapman for 2 3/4 Cable Capstan None

Engine Room Skylights.—How constructed? Steel plates and angles What arrangements for deadlights in bad weather? Steel Slaps and Deadlights

Coal Bunker Openings.—How constructed? " How are lids secured? Cleats and battens Height above deck? 24"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 scuppers, and 10 freeing ports 3'-0" x 1'-9" and 12

Ceiling in Holds, thickness and material Cargo Battens, thickness and material

Cargo Hatchways.—How formed? Steel plates and angles, oil hatchways as per approved plans Hatches, If strong and efficient? Yes

State size No. 1 Hatch (Forward) 9'-9" x 8'-0" No. 2 Hatch No. 3 Hatch No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Cleats cover 6 No. 1 Hatch efficiently stiffened

Bulwarks, height above deck and description Steel plate 3'-6" x 32. No. of Breasthooks Twelve No. of Crutches Deep Floors.

The foregoing is a correct description. Main Rail, material and size 6 x 3-5 x 3-5 x 3-5

Builder's Signature (here only) F.H.D.M. Surveyor's Signature John S. Gardiner

Surveyor to Lloyd's Register of Shipping.

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

Kobe 13/8/20, 4/10/20, 6/10/20, 28/2/21, 4/4/21, 18/4/21

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

Is the riveted work properly closed? Yes

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, &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 only

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 State results of tests Satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory

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, Copperdams, and Water Ballast Tanks have all been tested as required by the Rules, and found satisfactory.

This vessel is fitted out for Wireless.

Lited for Oil Fuel 4,1922 F.P. above 150°F.

This vessel is a sister ship to the same builders' VARD No. 580 S.S. "PALUDINA" and No. 581 S.S. "PETRICOLA", plans for which are now in the London office.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with P.E. Report showing vessel as built.

Ltd. Fee. 176

The amount of Entry Fee 144

Special Survey Fee 8292

Travelling Expenses, if any 216

Sunday fees, Apr. 9 & 23 40

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100A1 "CARRYING PETROLEUM IN BULK"

With, or without Freeboard, as condition of Class Without LONGITUDINAL FRAMING

Committee's Minute

Character assigned 100A1

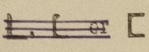
Carrying petroleum in bulk + Lmb. 4.22

Lloyd's a & b P Fitted for oil fuel 4.22

min Hingley F.P. above 150°F

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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. Spacing.	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.	Number.			Diameter.		
Framing of 																	
Frames in Bridge 'tween Decks...	6	3 1/2	.357				6	3 1/2	.35				7/8	5 1/4			
Frames from Uppermost Continuous Deck	No. 1			6	3 1/2	.35				6	3 1/2	.35			5 1/4	7	7/8
" 2																	
" 3																8	
" 4	7	3	35	7	3	35	7	3	35	7	3	35					
" 5	8	3	45	8	3	45	8	3	45	8	3	45			3.94 for 9 rivets		
" 6	8	3	5	8	3	5	8	3	5	8	3	5					
" 7																10	
" 8	10	3	45	10	3	45	10	3	45	10	3	45			3.1(3.1)		
" 9																	
" 10																	
" 11	13	4	.45	13	4	.45	13	4	.45	13	4	.45			3.9	18	
" 12																	
" 13																12	
" 14																	
" 15																	
" 16																	
Spacing of Longitudinal Frames	At Ends	4 1/2	.46	At Ends	4 1/2	.46	At Ends	4 1/2	.46	At Ends	4 1/2	.46			Spaced 4"	12	
Double Bottoms	Tank Top Longitudinals			8	3	45	.375			7	3	43	.438				
	Bottom			8	3	45	.375			7	3	43	.438				
Spacing of Longitudinals	At Ends...			30						30							
Transverses.																	
In Bridge 'tween Decks	Depth and Thickness	15	.38					15	.38								
	Face Angle	4	3 1/2	.37				4	3 1/2	.37							
	Lugs to Shell	3 1/2	3 1/2	.38				3 1/2	3 1/2	.38				3/4	3 3/4		
In Awnings, Shelter or Upper 'tween Decks.	Depth and Thickness	18	.41	21" F 18" A .41				18	.40	21" F 18" A .40							
	Face Angle	4	3 1/2	.44	4	3 1/2	.44	4	3 1/2	.44	4	3 1/2	.44				
	Lugs to Shell	3 1/2	3 1/2	.43	3 1/2	3 1/2	.43	3 1/2	3 1/2	.43	3 1/2	3 1/2	.43	7/8	4		
In Hold.	Depth and Thickness	28	.46	F 34" A 30" .46				28	.46	F 34" A 30" .46							
	Face Angle	6	4	.60	6	4	.60	6	4	.60	6	4	.60				
	Lugs to Shell	6	6	.43	6	6	.43	6	6	.43	6	6	.43	7/8	4		
	Brackets																
Spacing of Transverse Frames		8'8"		8'8"				8'8"		8'8"							
		TOGGLED															
Longitudinal Beams of	Bridge Deck	6	3 1/2	.35				6	3 1/2	.35							
	Upper	6	3 1/2	.35	6	3 1/2	.35	6	3 1/2	.35	6	3 1/2	.35	30"			
	Second	7	3	45	.35	7	3	45	.35	7	3 1/2	.313	7	3 1/2	.313	24" x 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.

W557-0041 33

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 should appear in the Register Book) 2 DECKS (STEEL) & WEB FRAMES

Official No. 152082; Signal Letters

State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Paint, and Asphalt outside oil 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. 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,		
Double bottom, if under Boilers only,	46.75	138	Deep tank, forward,	32	333
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.

State whether the above have been tested as required by the Rules Yes

Order for Special Survey No.

Date Sept. 14 1922

No. 582 in builder's yard.

DATES OF SURVEYS held while building

1921. MAR. 29, 31, APR. 2, 6, JUN. 22, 24, 27, 30, JUL. 4, 6, 7, 8, 11, 13, 15, 18, 20, 21, 23, 25, 27, 29, AUG. 1, 3, 6, 8, 9, 10, 15, 17, 19, 22, SEPT. 7, 8, 12, 13, 16, 19, 23, 29, OCT. 1, 4, 6, 17, NOV. 10, 18, 22, 23, 24, 25, 28, DEC. 2, 15, 22, 24, 28, 30, 1922. JAN. 12, 14, 19, 26, FEB. 2, 6, 10, 15, 16, 17, 20, 22, 23, 27, MAR. 3, 4, 5, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 28, 29, 30, 31, APR. 2, 4, 9, 10, 12, 13, 14, 15, 20, 23, 27 and 28

Total No. of Visits 108

Surveyor's Signature

John S. Gardiner

Lloyd's Register Foundation

