

Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 27590.

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

Port of Glasgow Date of completion of Report 2nd April 1909 Received at London Office WED. 7 APR 1909
Survey held at Whitburn & Glasgow Date, First Survey 19th August 1908 Last Survey 24th March 1909
On the Steel Screw Steamer "PANGAN" Rig Schooner

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk.
and 3rd, 4th, Spar or
Awning Dk.
Total under Upper Dk. 3173.92
Do. of Poop 87.99
Do. of Bridge House 150.45
Do. of Forecastle 50.88
Do. of Houses on Deck 14.78
Do. of excess of Hatchways 9.05
Do. above Crown of
Engine Room... 3487.07
Gross Tonnage 3382.60
Less Crew Space 94.47
Less above Crown of
Engine Room... 3382.60
AGE FOR FEES...
Engine Room 1115.86
Navigation Spaces 43.06
ster Tonnage 2283.68
out on Beam...

SPAR, AWNING OR PART AWNING-DECKED VESSEL,
or a Vessel having a continuous Shade Deck.

CLASS 100A1 Awning

Half Breadth (moulded) 23.5
Depth from upper part of keel to top of Main Deck Beams 20.98
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 41.75
1st Number 86.23
Length on deck from after part of stem to fore part of
stern post 328.21
2nd Number 28301
Proportions—Breadths to Length 6.98
Depths to Length—Main Deck to top of Keel 15.64
Destined Voyage not fixed If Surveyed while Building, Afloat, or in Dry Dock Yes

Master

Year of Appointment

Built at Whitburn GlasgowWhen built 1909 Launched 22.2.09By whom built Barclay Curle & Co.Owners East Asiatic Co.

Managers

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

Residence

Port belonging to Bangkok

Dimensions of Ship per Register, Length 330 breadth 47.3 depth 25.75 Spar or Awning Dk. Moulded depth, ft. 20 ins. 0 To Main Dk. Round up of Main Dk. Beam, Actual 114 ins.

FRAMING.				FORGINGS AND CASTINGS			
NAME, Angles, or Bars, for length	Inches in Ship.	Inches in Ship.	16ths or 20ths per Rule Or as Approved.	NAME, Angles, or Bars, for length	Inches in Ship.	Inches in Ship.	16ths or 20ths per Rule Or as Approved.
Do. for 1/2 at each end	5 1/2	3 1/2	8	KEEL, Bar or Side Plates, depth and thickness	7 1/2	10	8
Do. in way of Double Bottoms at Solid Floors	5 1/2	3 1/2	7	STEM, moulding and thickness	10 1/2	2 1/2	10 1/2
Do. in way of Double Bottoms at Solid Floors	4	3 1/2	7	STERN-POST for Rudder do. do.	11	6	11
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	7	MAIN PIECE of Rudder, diameter at head	8 1/2	11	6
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	do. at heel	6 1/2	11	6
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	BUDDER, how constructed	Forging and single plate 2 1/2		
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Can the Rudder be unshipped afloat?	Yes		
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	KEELSONS AND STRINGERS.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	CENTRE LINE KEELSON, Vertical Plate above			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	floors, Through Plate, or Intercostal Plate			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Rider Plate			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bulb Plate to Intercostal Keelson			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Horizontal Plates on Floors			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angles			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	SIDE KEELSON, Angles			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bulb or Plate above floors, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Intercoastal Plate, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Attached to outside plating with Angle			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	BILGE KEELSON, Angles			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bulb or Plate above floors, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Intercoastal Plate, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Attached to outside plating with Angle			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	BILGE STRINGER Angles			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bulb Plate, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Intercoastal Plate, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Attached to outside plating with Angle			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	(2) SIDE STRINGERS Angles			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bulb or Intercostal Plate, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Attached to outside plating with Angle			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	SPAR, or Awning Deck Stringer Plates,			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	breadth and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angle on ditto			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates, fore and aft, outside Hatchways			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Diagonal Tie Plates, No. of pss.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, * Iron or Steel, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Wood Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Main Deck Stringer Plate, breadth & thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angles on ditto, No.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates, outside Hatchways			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Diagonal Tie Plates, No. of pss.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, * Iron or Steel, for			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Wood Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Lower Deck Stringer Plates, br'dth & thickn's			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angles on ditto, No.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates, outside Hatchways			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, * Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Hold, or Orlop Stringer Plate, br'dth & thckn's			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angles on ditto, No.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates, outside Hatchways			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Poop Deck Stringer Plate, breadth & thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angles on ditto			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Bridge Deck Stringer Plate, br'dth & thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angle on ditto			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Forecastle Deck Stringer Plate, br'dth & th'kns			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Angle on ditto			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Tie Plates			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Deck, Material and thickness			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	STIFFENERS.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Horizontal.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Vertical.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Single or Double Frames.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Height up.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	BULKHEADS.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	In Vessel.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Per Rule.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Thickness.			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	W. T. BULKHEADS			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	PARTITION			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	LONGITUDINAL			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Are the outside Plates doubled two spaces of Frames in length?			
Do. in way of Double Bottoms at Solid Floors	2 1/2	3 1/2	7	Are the Stance Valves and Watertight Doors in efficient working order?			

PLATING. RIVETING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Double or Treble and for what Length. Rivets. Straps. IF LAPPED. For what Length. Write "Sheer Strake" opposite its corresponding letter. FLAT PLATE KEEL (If Bar Keel, state Riveting) GARBOARD OR A Strake B C D E F G H J K L M N O P Q R S DOUBLING of Flat Plate Keel Length and thickness of Bilges of Sheerstrakes of Strake below POOP SIDES 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 heart process Beardmore, Dalzell, Langark, Steel Co. of Scotland Palmers, Hickman, Mawer. Has the Steel been tested as required by the Rules? Yes Spar or Awning Butts, treble riveted for full length amidship. Stringer Plate Straps, single, double or overlapped for full length amidship. Main Stringer Butts, treble riveted for full length amidship. Plate Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? T & D. Inner Bottom Plating, riveting of Edges 5/8" 5/8" Butts 5/8" 5/8". Centre Girder Butts, 2" riveted Keelson Butts, 1" riveted. Frames, riveted through Plates with 7/8" in. Rivets, about 5 1/2" x 6 1/2" apart. Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from Centre to margin to thence to gunwale state if ordinary or joggled? Joggled in REVERSED FRAMES on floors and frames extend from Centre to margin thence to awning dk state if ordinary or joggled? Double bottom for 1/2 L amid. and in after peak to awn deck, so main 1 7/8" dk alternated 5/8" reverse in main space Single thereon to main deck

MASTS, SPARS, & C. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. Riveting. Butts. Pole Lower MASTS... Fore Main Mizzen Main Mast stepped on Linnel, fore mast stepped on main deck Bowsprit Topmasts, Yards and Remainder of Spars Steel & birch Stays 5' x 2 1/2" M. 4 1/2" x 2 1/2" S. 1 1/2" x 2 1/2" Rigging, Material and Size, Shrouds 4 S 20 Sails, One Suit of Sails, and the following spare sails

EQUIPMENT No. 33655 LETTER U ANCHORS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQ. BY TABLE 22. Description of Anchor. Makers. Where and when tested and Superintendent. 61934 1st Bower 49 2 21 Stockless 42 4 1 14 48 3 0 Halls (Cast Steel 14) R. Hingley Sons Retherton 25.1.09 Green 61942 2nd 48 3 24 do 41 15 0 0 48 3 0 do do do 27.1.09 do 61935 3rd 42 1 12 do 37 8 0 14 41 2 0 do do do 25.1.09 do Collective weight 141 0 1 139 0 0 61959 Stream 13 0 6 3 1 19 14 17 0 21 13 0 0 Ordinary R. Hingley Sons Retherton 30.1.09 Green 61967 Kedge 5 3 2 1 1 24 8 2 3 7 5 3 0 do do do do do

CHAIN CABLES. HAWERS AND WARPS. Number of Certificate. Length and Size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Fathoms 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. Fathoms and size per Table 22. 43382 135 2 72 100 272.2.5 270 2 2 R. Hingley Sons Retherton 30.1.09 Green Towline S.W. 120 4 33 120 4 42 2829 135 2 72 100 272.2.5 270 2 2 do do do do do 545.0.5 90 4 39 90 4 39 4 1/2 Steel wire Webbs 16 24.12.08 do do do do do

Boats 2000 Pumps, Number 1 Downton & 2 hand Diameter of Barrel 5' x 3' State whether they are in efficient working order Yes Windlass is Steam 6 Clarke Chapman Capstan Engine Room Skylights. How constructed? Deck What arrangements for deadlights in bad weather? Hinged flaps & Bullseyes Coal Bunker Openings. How constructed? Steel Coamings How are lids secured? Battened Height above deck? 24 Number of Scuppers, and number and dimensions of Freeing Ports, &c. 6 Scuppers each side, 8 freeing ports 36 x 18 each side Ceiling in Holds, thickness and material 2 1/2" iron plates over timber Cargo Battens, thickness and material 2 x 2" Cargo Hatchways. How formed? Steel plates & angles Hatches, If strong and efficient? Yes State size No. 1 Hatch (Forward) 22.0 x 13.11 No. 2 Hatch 28.0 x 13.11 No. 3 Hatch 28.0 x 13.11 No. 4 Hatch 24.0 x 13.11 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 webs and 3 fore & afters in each hatch No. of Breasthooks 8 No. of Crutches deep floors Bulwarks, height above deck and description Steel plates 4' 2" Main Rail and Stays, material and size 6 x 3/2" B.R. 7 x 2" B.Steps The above is a correct description. Surveyor's Signature J. W. Whenna Surveyor to Lloyd's Register of British & Foreign Shipping. Builder's Signature (here only) J. W. Whenna

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

M. 15.4.08 23.4.08, 5.5.08, 22.5.08, 10.6.08, E. 29.4.08

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

Is the riveted work properly closed? Yes

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

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 plating? a few

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

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

State results of tests Satisfactory

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.) Workmanship Good

This vessel has been built in accordance with the Secretary's letter of the above dates, the plans approved by the Committee and in general conformity to the Rules for the class contemplated.

The approved plans 10 in number are enclosed herewith also amended plans of mid sec. profile and pumping arrangement

Sister Vessels S/S Bandon No. 27330 & S/S Champion No. 27402
The Surveyor should state the Number of Report and Name of any Sister Vessel.

Particulars for Record in the REGISTER BOOK.—Length of Poop 30.92 ft., R.Q.D. or Break ☒ ft., Bridge Dk. 65.42 ft., F'castle 37 ft. (feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

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 would appear in the Register Book) 1 dk. steel and iron dk. steel with sheathing & deep framing

Official No. _____; Signal Letters _____

State if Machinery is fitted aft Yes

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 Cell. sbl. Bat.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	106	256	Fore peak tank,		20½
Double bottom, under Engines and Boilers,			After peak tank,		12½
Double bottom, if under Engines only,	16	56½	Deep tank aft,		
Double bottom, if under Boilers only,	18	—	Deep tank forward,		
Double bottom, forward,	146	390	Other tanks, if fitted,		
Total capacity of double bottom	702½		(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

for Special Survey No. 4335
Date 13th June 1908
in builder's yard. 476
Dates of Surveys held while building
1908 Aug 19. 26. Sep 1. 3. 4. 7. 11. 15. 17. 22. 24. 29. Oct 2. 8. 13. 16. 20. 23. 27. 29.
Nov 2. 5. 10. 12. 16. 17. 18. 24. 27. Dec 4. 8. 9. 17. 21. 22. 24. 1909 Jan 13. 14. 18. 20
26. 29. Feb 1. 5. 8. 10. 12. 15. 16. 18. 19. 24 March 2. 9. 12. 16. 18. 24
Total No. of Visits 58

Amount of Entry Fee £ 5 : : : 574/ 1909
Special £ 109 : 11 : 6
Travelling Expenses, if any £ : : : 29/4/09

Certificate to be sent to

Glasgow

whether the Vessel has been built under Special Survey Yes

of opinion this Vessel should be Classed 100 A1 Awning deck

or without Freeboard, as condition of Class With Freeboard

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

Committee's Minute GLASGOW 6 APR 1909

Character assigned + 100 A1 (Steel)

Awning dk with fbs 57.3½
3.09

Lloyd's drop
+ LMC 409
Elec. light.