

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No. 4944

TUES. MAR 26 1907

Port of *Middlesbrough* Date of completion of Report *25th March 1906* Received at London OfficeSurvey held at *Middlesbrough* Date, First Survey *25th May 1906* Last Survey *22nd March 1907*On the *Screw Steamer "Sygna"* Rig *Schooner*

TONNAGE under Tonnage Deck...

Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk.

Total under Upper Dk. *3573.69*Do. of Poop *84.16*Do. of Bridge House *10.17*Do. of Forecastle *100.55*Do. of Houses on Deck *90.39*Do. of excess of Hatchways *22.24*Do. above Crown of Engine Room *3881.20*Less Crew Space *120.19*Less above Crown of Engine Room *22.24*Tonnage for Fees... *3738.77*Engine Room *1241.98*Navigation Spaces *55.01*Register Tonnage *2464.02*

Cut on Beam...

SPAR, AWNING OR PART AWNING-DECKED VESSEL,

or a Vessel having a continuous Shade Deck.

CLASS ** 100 A1.*

FEET.

Half Breadth (moulded) *25.87*Depth from upper part of keel to top of Main Deck Beams *21.37*Girth of Half Midship Frame (as per Rule) *43.71*1st Number *90.95*Length *358.08*2nd Number *32567.87*Proportions—Breadths to Length *6.92*Depths to Length—Main Deck to top of Keel *16.75*Destined Voyage *Glasgow to load for Sydney*Master *Claf Olsen.*Year of Appointment *(1) As Master in service of owner of present vessel: 1907 (2) As Master of the vessel: 1907*Built at *Middlesbrough*When built *1907-3*. Launched *3rd Jan'y 1907*By whom built *Sir Raylton Dixon & Co. Ltd.*Owners *J. Ludwig Mowinkel*

Managers

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

Residence *Bergen*Port belonging to *Bergen*Surveyed while Building, Afloat, or in Dry Dock *Yes.*Length on Deck *358* Feet. *1* Inches. Breadth Moulded *57* Feet. *9* Inches. Depth, top of Floors to Spar *25* Feet. *10* Inches. Power of Engines *421* Horse. No. of Decks with flat laid *One* No. of Tiers of Beams *18*Dimensions of Ship per Register, Length *360.1* breadth *52.1* depth *25.7* Spar *25* Feet. *10* Inches. Moulded depth, ft. *28* ins. *4* To Main Dk. Round up of Beam, Main Dk. *12 1/2* ins.

FRAMING.

RAME, Angles, or *L* Bars, for $\frac{1}{2}$ length amidshipsDo. for $\frac{1}{4}$ at each end

Do. in way of Double Bottoms at Solid Floors

Distance of Frames from moulding edge to moulding edge, all fore and aft

EVERSED FRAME, Angles, *on Peaks*

DEEP FRAMING, depth of girder

FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships

in way of Engines and Boilers

thickness at the ends of vessel

depth at $\frac{1}{4}$ the half b'dth as per Rule

height extended at the Bilges

FLOORS & BRACKETS, in Cell Dble Bottoms

Distance apart

CENTRE GIRDER, in Double bottom, depth and thickness

Angles, Top

Angles, Bottom

SIDE GIRDERS, number and thickness

Angles

ARGIN PLATE, depth (exclusive of flange) and thickness

Angles

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

thickness in Engine and Boiler space

Remainder in Holds

EAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Hold, or Orlop, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb

Angles on upper edge

Average space

PILLARS, in 'tween Deck, size and spacing

Hold

Quarter, 'tween Dks., "

in Hold

WEB FRAMES, in Fore Body, No. and spacing

breadth & thickness

No. of Side Stringers

Size of Angles or Tee Bars to Web Frames

BRACKET PLATES to Stringers between Web Frames, depth and thickness

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

MAIN PIECE of Rudder, diameter at head

do. at heel

RUDDER, how constructed *Forged & built. 22/20 single plate*Can the Rudder be unshipped afloat? *Yes. Coupled at neck.*

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

Rider Plate

Bulb Plate to Intercoastal Keelson

Horizontal Plates on Floors

Angles

SIDE KEELSON, Angles

Bulb or Plate above floors, for lng.

Intercoastal Plate, for length

Attached to outside plating with Angle

BILGE KEELSON, Angles

Bulb or Plate above floors, for lng.

Intercoastal Plate, for length

Attached to outside plating with Angle

BILGE STRINGER Angles

Bulb Plate, for length

Intercoastal Plate, for length

Attached to outside plating with Angle

SIDE STRINGER Angles

Bulb or Intercoastal Plate, for lng.

Attached to outside plating with Angle

Spar, or Awning Deck Stringer Plates, breadth and thickness

Angle on ditto

Tie Plates, fore and aft, outside Hatchways

Diagonal Tie Plates, No. of prs.

Deck, * Iron or Steel, for full lng.

Wood Deck, Material and thickness

Main Deck Stringer Plate, breadth & thickness

Angles on ditto, No. *Two*

Tie Plates, outside Hatchways

Diagonal Tie Plates, No. of prs. *1*

Deck, * Iron or Steel, for full lng.

Wood Deck, Material and thickness

Lower Deck Stringer Plates, breadth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, * Material and thickness

Hold, or Orlop Stringer Plate, breadth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, Material and thickness

Poop Deck Stringer Plate, breadth & thickness

Angles on ditto

Tie Plates

Deck, Material and thickness

Bridge Deck Stringer Plate, breadth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Forecastle Deck Stringer Plate, breadth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

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

BULKHEADS.

Number, In Vessel, Per Rule.

Thickness, 20ths.

W. T. BULKHEADS

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length? *Diamond plates*

STIFFENERS.

Number, In Vessel, Per Rule.

Thickness, 20ths.

Horizontal, Vertical, Spacing, Inches.

Single or Double Frames.

Height up.

W. T. STIFFENERS

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length? *Diamond plates*

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.	BUTTS.											
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	Single or Double.		Breadth of Lap.	RIVETS.	Double or Treble for what Length.	RIVETS.	STRAIPS.	IF LAPPED.						
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.		Inches.	Diam.	Spacing cr. to cr.	Inches.	Breadth.	Thickness.	Breadth.	For what Length.				
FLAT PLATE KEEL (If Bar Keel, state Riveting)	48	20	14	14	48	20 13	Double	6	1	4	Quad	1	4	14	full				
GARBOARD OR A STRAKE	60	13	12	12 13	60	13 12		5 1/4	7/8	3 1/2		7/8	3 1/2	12					
B "	66	11	10	9 14		11 9													
C "	66	11	10 15	10		11 9													
D "	65 1/2	12	10	11 14		12 10													
E "	62	13	11	12		13 10													
F "	54	13	12	10 13	10	13 10													
G "	57	12	15 16	9 12		12 9													
H "	54	12	15 16	9		12 9													
J "	48	12	16 17	9 10		12 9													
K "	54	13	12 15	9		12 9													
L "	48	15 12	9	9	15 12	9		6	1	4	Subt. Quad	3 1/2	3 1/2	9 12					
M "	44	15 14	10	10	44	14 10													
N "	38 1/2	15 12	8 14	9		12 8		5 1/4	7/8	3 1/2		7/8	3	14					
O "	56	13	8	8	40	13 8													
DOUBLING OF FLAT PLATE KEEL	Increased in line of doubling																		
Length and thickness of Bilges	Three strakes increased 1/20 fore & aft																		
Length and thickness of Sheerstrakes	Top sides as per Table																		
Length and thickness of Strake below																			
POOP SIDES	Letters A 40 in Table																		
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.?																			
Vonsell, Palmers, South Durham, Solekore.																			
Dorman Long.																			
Iron - fine mill 18.																			
Steel - Tested & stamped as per rule.																			
FRAMES extend in one length from Tank side to Weather deck, & in way of topside tanks as per App. Plan																			
REVERSED FRAMES on bottom and frames extend from 5 spur deck in After Peak & 6 ft B space. To main and Forecastle deck in way of Forecastle alternately																			
MASTS, SPARS, &c.																			
Material. Total Length. At Partners. Heel. Hounds. Head. No. of Plates in round. ANGLE. Riveting. Butts.																			
Fore Mast. Steel 76' 5" 24 x 1/2 20 x 1/2 14 x 1/2 Two Single Treble & All																			
Main Mast. Steel 77' 5" 24 x 1/2 20 x 1/2 14 x 1/2 Two Single Treble & All																			
Mizen Mast. Steel 77' 5" 24 x 1/2 20 x 1/2 14 x 1/2 Two Single Treble & All																			
Doubling at Partners & Heel																			
Rigging, Material and Size, Shrouds 3 1/2 Galv. Wire Stays 4 1/4"																			
Sails. None. Sail and the following spars sail.																			
EQUIPMENT No. 41517 LETTER X. ANCHORS.																			
Number of Certificate. Anchors. Weight, Ex. Stock. Weight of Stock. Test, per Certificate. Weight Reg. by Rule. Description of Anchor. Makers. Where and when tested and Superintendent.																			
8487 1st Bower 57 0 0 5 M. 15 3 4 5 46 12 2 0 56 1 0 Byrns Stockton 27.8.06 H. J. Ref																			
8502 2nd " 56 1 0 5 M. 15 3 4 5 46 3 0 14 56 1 0 " 29.8.06 "																			
8507 3rd " 58 2 1 9 3 23 34 17 3 7 58 0 0 Rodgers 27.8.06 "																			
Collective weight 151 3 1 150 2 0																			
55639 Stream 15 1 2 3 3 26 16 16 2 7 15 0 0 " 24.1.07 "																			
55637 Kedge 6 2 3 1 2 19 8 17 2 0 6 2 0 " " "																			
* Mechanical test certificates produced																			
CHAIN CABLES. HAWSERS AND WARPS.																			
Number of Certificate. Fathoms. Size. Test per Certificate. Weight of Chain Cable. Fathoms and Size per Rule. Description. Makers of Cables. When and where tested, and Superintendent. Material. Fathoms. Size. Breaking Test of Steel Wire Towline. Fathoms and Size per Rule.																			
39782 270 2 1/2 8 1/4 612 3 1/2 608 2 1/4 270 2 1/2 And S. Harbome 14.12.10 H. J. Ref																			
90 4 1/4 4 1/2 90 4 1/2 S. Harbome 14.12.10 H. J. Ref																			
Boats 2 Life 24 x 7 1/2 x 3 1/2. 1 Jolly boat 18 x 5 1/2 x 2 1/2. 1 Big 20 x 5 1/2 x 2 1/2																			
Pumps, Number 1 Downton to Bilge line Diameter of Barrel and Tail Pipe 5" x 3 1/2"																			
Windlass is Clarke, Chapman 16" Patent direct steam Capstan & hand combined																			
Engine Room Skylights. How constructed? All Steel																			
What arrangements for deadlights in bad weather? Bulls eyes																			
Coal Bunker Openings. How constructed? Plate coaming How are lids secured? Saws & battens Height above deck? 18"																			
Number of Scuppers, and number and dimensions of Freeing Ports, &c. 3 Scuppers & 5 Freeing Ports 37 x 19 in Well each side.																			
Ceiling in Holds, thickness and material 3/4" P. Doubled under hatchways Ceiling between Decks, thickness and material 6 x 2 W.P.																			
Cargo Hatchways. How formed? Steel plates & angles Hatches, If strong and efficient? S. Harbome on 1st & 2nd decks																			
State size No. 1 Hatch (Forward) 36 x 30 x 41 No. 2 Hatch 36 x 30 x 41 No. 3 Hatch 36 x 30 x 15 1/2 No. 4 Hatch 36 x 30 x 15 1/2																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 11 1/2 - 3 H. & S. steel covers. 12 3/4 - 2 H. & S. steel covers. 14 1/2 - 2 H. & S. steel covers. 15 1/2 - 2 H. & S. steel covers.																			
No. of Crutches 14 deep floors																			
Bulwarks, height above deck and description Steel 4 1/2 x 7 1/2 with 6 x 3/4 butt stays Main Rail, material and size 5 1/2 x 3 1/2 B. A.																			
The above is a correct description. Sir KAYLTON DIXON & COMPANY, LIMITED. Surveyor's Signature. W. L. Gilman. Surveyor to Lloyd's Register of British & Foreign Shipping.																			
Builder's Signature (here only) W. L. Gilman																			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) E 288 39/106. 17/1/07
M 1905. 11 & 21 Dec. 1906. 24 & 29 Jan. 31 Mar. 4 & 9 May. 12 & 15 June. 11 & 14 July. 5 Aug. 11 & 18 Sept. 13 & 15 Oct. 1907. 16 & 23 Nov. 30 Dec.

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

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

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

This vessel has been built in accordance with the Secretary's letters of the above dates, the approved plans (16 in all) forwarded herewith subject to the modifications as shown on the amended plans (3 in all) forwarded for filing with this report, and in other respects in general conformity with the requirements of the Society's rules. The weather decks have been tested by hose and flooding with satisfactory results. Mastic steam steering gear is fitted in house at after end of engine room, connected to quadrant by chains & buffer springs and controlled from bridge by rods & bevel wheels. Hand & steam steering gear, Downton pump and Windlass tested & proved efficient. Brake fitted to rudder quadrant.

This vessel is to be classed I.A.I. in the Stroke Veritas.

A.B. Watertight hatch covers fitted to exposed cargo hatchways on Poop and upper decks. Plan will be forwarded as soon as received from Builders. The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 215 ft., R.Q.D. or Break — ft., Bridge Dk. — ft., F'castle 29 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop & Bridge joined forming long Poop.

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) 1 Deck (all), deep cantilever framing with topside tanks

Official No. — ; Signal Letters —

How are the surfaces preserved from oxidation? Inside Paint & Cement

Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system Cell A.B. and Topside tanks.

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft.	246	823	Fore peak tank,	20	190
Double bottom, forward.	262	940	After peak tank,	8	80
Double bottom, under Engines and Boilers.	56	160	Midship deep tank,		
Double bottom, if under Engines only.			Other tanks, if fitted.		
Double bottom, if under Boilers only.			(If necessary, furnish further information by sketch)		

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

Order for Special Survey No. 134
Date 9.1.06
Order for Ordinary Survey No. —
Date —
No. 525 in builder's yard.
1st. On the several parts of the frame, when in place, and before the plating was wrought 1906. May 25. 29 June 1.6.13.19.23.26.28 July 3.4.5.6
2nd. On the plating during the process of riveting 11.12.13.16.19.24.26.31 Aug 4.13.15.14.24.29 Sep 5.7.11.13
3rd. When the beams were in and fastened, and before the decks were laid 14.15.19.24.24 Oct 2.3.4.9.12.14.22.23.26.30 Nov 1.3.5.6.4
4th. When the ship was complete, and before the plating was finally coated or cemented 8.9.13.15.20.22.23.29.30 Dec 6.7.11.14.18.19.20.24
5th. After the ship was launched and equipped 1904. Jan 3.8.9.10.18.22.25.29.29.30.31 Feb 16.24.27 Total No. of Visits 95

The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 118 : 9 : 6
Travelling Expenses, if any £ : : :
Fees applied for, 23.5.1907
Received by me, 20.5.07

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100 A1 Steel Plate Deck
Certificate to be sent to Middlesbrough Office
W. L. Gilman, Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned

read 100 A1
dictated Spark (sil) & deep framing, Cantilever framed
topside tanks, Sparak Plate

Lloyd's a & b P
W. L. Gilman, M.

26/3/07
002362-002373-01182
Lloyd's Register Foundation