

WED. 20 MAR 1895

## Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 13536

Port of Glasgow

Date of completion of Report 15 March 1895

Received at London Office

Survey held at Dumbarton

Date, First Survey 5 June 1894

Last Survey 12 March 1895

On the "Sencramis"

Rig Schooner

TONNAGE under Tonnage Deck... 2324.03

Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk. 1027.86

Total under Upper Dk. 3351.89

Do. of Poop 223.93

Do. of Bridge House 48.55

Do. of Forecasts 388.62

Do. of Houses on Deck 388.62

Do. of excess of Hatchways 388.62

Do. above Crown of Engine Room 388.62

Gross Tonnage 4045.99

Less Crew Space 160.51

Less above Crown of Engine Room 388.62

TONNAGE FOR FEES... 3855.48

Less Engine Room 1294.72

Less Navigation Spaces 34.76

Register Tonnage 2556.00

as cut on Beam...

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

CLASS 100 A 1

FEET.

Half Breadth (moulded) 22.38

Depth from upper part of keel to top of Main Deck Beams 23.66

Girth of Half Midship Frame (as per Rule) 40.375

1st Number 86.415

Length 375

2nd Number 32405

Proportions—Breadth to Length... 8.38

Depths to Length—Main Deck to top of Keel 15.85

Destined Voyage Mediterranean

Master C. Bechtel

Year of Appointment 1895

Built at Dumbarton

When built 1894 Launched 26 Dec 1894

By whom built W. Denny &amp; Co.

Owners Lloyd Austrian Societa di Navigazione a Vapore del Trieste

Managers

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

Residence Trieste

Port belonging to Trieste

Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH, top of Floors to Spar or Awning Dk. Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid
as per Rule...	375	0	Moulded	44	9	Do. do. Main Deck Beams	28	2	432		3

Dimensions of Ship per Register, Length 377.0 breadth 44.9 depth 25.2 Spar or Awn. Dk. Moulded depth, ft. 30 ins. 8 To Main Dk. Round up of Beam, Main Dk. 11 1/4 ins. 20.3 Main Deck. 20.9 to main dck. 21.3 to 21.3 from Sur.

FRAMING.						FORGINGS AND CASTINGS.					
Inches in Ship.						Inches in Ship.					
FRAME, Angles, or Bars, for 1/2 length amidships						KEEL, Bar or Side Plates, depth and thickness					
Do. for 1/2 at each end						STEM, moulding and thickness					
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.					
at intermdt. Blks.						" " for Propeller					
Distance of Frames from moulding edge to moulding edge, all fore and aft						MAIN PIECE of Rudder, diameter at head					
REVERSED FRAME, Angles						do. at heel					
DEEP FRAMING, depth of girder						RUDDER, how constructed					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						Can the Rudder be unshipped afloat?					
" in way of Engines and Boilers						KEELSONS AND STRINGERS.					
" thickness at the ends of vessel						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" depth at 1/2 the half-bdth. as per Rule						" Rider Plate					
" height extended at the Bilges						" Bulb Plate to Intercoastal Keelson					
FLOORS & BRACKETS, in Cell Dble Bottoms						" Horizontal Plates on Floors					
Distance apart						" Angles					
CENTRE GIRDER, in Double bottom, depth and thickness						SIDE KEELSON, Angles					
" Angles, Top						" Bulb or Plate above floors, for lng.					
" Bottom						" Intercoastal Plate, for length					
SIDE GIRDERS, number and thickness						Attached to outside plating with Angle					
" Angles						BILGE KEELSON, Angles					
MARGIN PLATE, depth (exclusive of flange) and thickness						" Bulb or Plate above floors, for lng.					
" Angles						" Intercoastal Plate, for length					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Attached to outside plating with Angle					
" thickness in Engine and Boiler space						BILGE STRINGER Angles					
Remainder in Holds						" Bulb Plate, for length					
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Intercoastal Plate, for length					
" Angles on upper edge						Attached to outside plating with Angle					
Average space						SIDE STRINGER Angles					
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Bulb or Intercoastal Plate, for whole lng.					
" Angles on upper edge						Attached to outside plating with Angle					
Average space						Spar, or Awning Deck Stringer Plates, breadth and thickness					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Angle on ditto					
" Angles on upper edge						" Tie Plates, fore and aft, outside Hatchways					
Average space						Diagonal Tie Plates, No. of pss.					
BEAMS, Hold, or Orlop, Plate or Tee Bulb						Deck, * Iron or Steel, for whole lng.					
" Angles on upper edge						Wood Deck, Material & thickness					
Average space						Main Deck Stringer Plate, breadth & thickness					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Angles on ditto, No. 2					
" Angles on upper edge						" Tie Plates, outside Hatchways					
Average space						Diagonal Tie Plates, No. of pss.					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb						Deck, * Iron or Steel, for whole lng.					
" Angles on upper edge						Wood Deck, Material & thickness					
Average space						Lower Deck Stringer Plates, br'dth & thckn's					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Angles on ditto, No. 2					
" Angles on upper edge						" Tie Plates, outside Hatchways					
Average space						Deck, * Material and thickness					
FILLERS, In tween Deck, size and spacing						Hold, or Orlop Stringer Plate, br'dth & thckn's					
" Hold at ends of wood						" Angles on ditto, No.					
" Quarter, tween Dks., "						" Tie Plates, outside Hatchways					
" in Hold						Deck, Material and thickness					
WEB FRAMES, In Fore Body, No. and spacing br'dth. & thickness						Poop Deck Stringer Plate, breadth & thickness					
" No. of Side Stringers						" Angles on ditto					
WEB FRAMES, In E. & B. Space, No. & spacing br'dth. & thickness						" Tie Plates					
" " " " " "						Deck, Material and thickness					
WEB FRAMES, In After Body, No. and spacing br'dth. & thickness						Bridge Deck Stringer Plate, br'dth & thickness					
" " " " " "						" Angle on ditto					
" No. of Side Stringers						" Tie Plates					
" Size of Angles or Tee Bars to Web Frames						Deck, Material and thickness					
BRACKET PLATES to Stringers between Web Frames, depth and thickness						Forecastle Deck Stringer Plate, br'dth & th'kns					
						" Angle on ditto					
						" Tie Plates					
						Deck, Material and thickness					



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PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
		AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
		Inches.	1/4th or 20ths.	1/4th or 20ths.	1/4th or 20ths.	Inches.	1/4th or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.	
FLAT PLATE KEEL .....		36	17	13	13	36	17	double	6	1	4 1/2	treble	1	3 1/2	19	21			
(If Bar Keel, state Riveting)																			
GARBOARD OF A Strake ...		55	13	12	13	55	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	whole	
State actual		B		11	9	13	11	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
thickness in		C		11	9	14	11	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
way of Double		D		13	10	15	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
Bottom.		E		13	10	13	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
		F		13	10	13	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
		G		13	10	13	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
		H		12	9	12	12	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
		J		12	9	9	12	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
main dk		K		13	10	10	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do	
Sheerstrake		L	46	13	10	10	46	13	do	5 1/4	7/8	3 1/2	do	7/8	3 1/2			9	do
		M		10	9	9	10	do	6	1	3 1/2	do	7/8	3 1/2	16 1/2	8.6	✓	✓	
span dk		N	46	16	9	9	46	16				do	1	3 1/2	19	12.11	✓	✓	
Sheerstrake																			
		⊖																	
		⊕																	
		⊙																	
DOUBLING of Flat Plate Keel		24	13			24	13												
Length and thickness		of Bilges																	
		of Sheerstrakes		18		at ends of keel	18												
		of Strake below																	
POOP SIDES .....		7				7		single				double			9 1/4	7	✓	✓	
BRIDGE SIDES .....		9.7				9.7		do				do			9 1/4	7.9	✓	✓	
FORECASTLE SIDES .....		7				7		do				do			9 3/4	7	✓	✓	

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. ? Siemens Martin Steel.

Frames - Reverses (angles) Halfside. (Channels) Palmers.

Floors - Consell & Dalzell. Beams. Cornwall & Co.

Stringers - Consell. Deck plating. Dalzell. Hatchway Vangens.

Shell - Consell. Floor.

**FRAMES** extend in one length from Keel to mainmast.

**REVERSED FRAMES** on floors and frames extend from beyond 3/4 - all to spar dk - also to spar and forecastle deck.

**MASTS, SPARS, &c.**

	Material.	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore .....	<u>Steel</u>	<u>100 1/2</u>	<u>30 x 7/16</u>	<u>22 x 7/16</u>	<u>20 x 7/16</u>	<u>3</u>	<u>3</u>	<u>4 x 2 x 7/16</u>	<u>double 3/4</u>	<u>double 3/4</u>
	Main .....		<u>106</u>	<u>28 x 7/16</u>	<u>22 x 7/16</u>	<u>18 x 7/16</u>	<u>2</u>			<u>single 3/4</u>	<u>do do</u>
	Mizen .....										
Bowsprit <u>None</u>											
Topmasts, Yards and Remainder of Spars <u>Steel &amp; P. Pine. As approved. Sord.</u>											
Rigging, Material and Size, Shrouds <u>Gale's charcoal wire</u>											
Sails. <u>One</u> Suit of <u>Sails, and the following spare sails</u> <u>two</u>											

**EQUIPMENT No. 41629 LETTER X ANCHORS.**

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.		
35759	1st Bower	53	2	3	Stockless			44	12	3	0	51	2	0	Halls Stockless	J. Hingley & Son, Northampton 21/4/94 D. G. Lewis
35760	2nd "	53	2	0	do			44	12	2	0	51	2	0	do	do do do 24/4/94 do
35763	3rd "	50	2	7	do			42	9	0	1/2	48	0	0	do	do do do 24/4/94 do
35758	Collective weight	156	2	10				130	1	1	1/2	149	2	0		
35771	Stream	14	1	20	3	1	20	16	1	1	0	12	2	0	Grotmans	J. Hingley & Son, Northampton 22/4/94 do
35770	Kedge	7	1	2	1	3	6	9	11	2	7	6	2	0	do	do do do 22/4/94 do
	2nd Kedge															

\* 2 3/16 supplied

**CHAIN CABLES.**

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.
				Supplied.	Per Rule.									
25125	125	2 1/8	120 1000	222.0	222.0	270.2	270.2	Stockless	J. Hingley & Son, Northampton 21/4/94	TOWLINE	120	4 1/4	47	120.42
25127	135	2 1/8	86 220	222.0	222.0	270.2	270.2	do	do do do 21/4/94	HAWSER	90	12		90.12
										WARP	90	10		90.10
Iron Stream Chain or Steel Wire		90	4 1/4	47		90.42	Steel Wire Crown & Spade	do	21/4/94					

**HAWSERS AND WARPS.**

**Boats** 8

**Pumps**, Number 10 of 6" and 2 of 3 1/2" Diameter of Barrel and Tail Pipe 3 and 1 1/2 tail pipes.

**Windlass** is Emerson Walker & Co. Patent. Capstan do

**Engine Room Skylights.** - How constructed? Steel casings. Teak over

What arrangements for deadlights in bad weather? Brass & Ward Rods and tarpaulins

**Coal Bunker Openings.** - How constructed? Ports in side How are lids secured? ✓ Height above deck? ✓

Number of Scuppers, and number and dimensions of Freeing Ports, &c. 6 scuppers and 5 water ports on each side - ports 20 x 16

**Ceiling in Holds**, thickness and material 2 1/2 P. Pine Ceiling 'tween Decks, thickness and material W.P. 1 1/2 spanning

**Cargo Hatchways.** - How formed? Steel casings 30 x 20 Hatches, If strong and efficient? Yes. Solid 3

State size No. 1 Hatch (Forward) 12.0 x 9.0 No. 2 Hatch 15.2 x 12.0 No. 3 Hatch 15.2 x 12.0 No. 4 Hatch 13.0 x 9.0

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch a shifting beam and fore and afters in each hatchway

No. of Breasthooks 7 No. of Crutches Deck Floors

**Bulwarks**, height above deck and description 48 x 5 1/8 Main Rail, material and size do

The above is a correct description.

Builder's Signature (here only) [Signature] Surveyor's Signature [Signature]

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



13536 GLO

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

25/5/94 8/6/94 7/7/94 2/7/94 27/7/94 2/8/94 8/10/94 20/10/94 19/11/94

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

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? No

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

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

This is a steel spar deck screw steamer, with a poop-bridge house and top-gallant fore-castle. She has been built in accordance with the approved plans attached hereto and with the Rules generally.

The pumps, fitted waterways, water ballast tanks &c have been duly tested and found satisfactory.

The materials and workmanship are good.

An installation of electric lighting has been fitted in the wood, as described in the Electric Lighting Report attached hereto.

(Will be forwarded)

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 78 ft., R.Q.D. or Break ft., Bridge Dk. 95½ ft., F'castle 85 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 dks (11 steel-wood) and Spar dk (steel-wood) Spandk. Teak

Official No. ; Signal Letters

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

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system Yes

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	66	76	Fore peak tank,		
Double bottom, forward, No. 2 under Engines	54	161	After peak tank,		
Double bottom, under Engines and Boilers, No. 3	52	126	Midship deep tank,		
Double bottom, if under Engines only, No. 4	73-8	157	Other tanks, if fitted,		
Double bottom, if under Boilers only, No. 5 (forward)	48	38	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 2484	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	1894 June 5. 8. 14. 19. 26. 27. 29. July 3. 9. 14. 27. 31. Aug 3. 7. 10. 15
Date 29 May 1894		2nd. On the plating during the process of riveting	21. 24. 31. Sept. 5. 7. 12. 18. 26. Oct 2. 5. 10. 12. 16. 19. 24. 26. 30
Order for Ordinary Survey No. 1		3rd. When the beams were in and fastened, and before the decks were laid	Nov 5. 9. 12. 14. 21. 23. 27. 30. Dec 5. 4. 7. 11. 14. 18. 21. 28. Jan 1895
Date		4th. When the ship was complete, and before the plating was finally coated or cemented	9. 15. 18. 22. 25. 29. Feb 5. 8. 14. 26.
No. 502 in builder's yard.		5th. After the ship was launched and equipped	Mar 6. 8. 12
		Total No. of Visits 61	

The amount of Entry Fee.....£ 5 : " : " 15/3 1895  
Special Survey Fee ...£ 122 : 2 : 6  
Travelling Expenses, if any £ " : " : " 18/3 1895

Fees applied for, 15/3 1895  
Received by me, 18/3 1895

Certificate to be sent to Glasgow

I am of opinion this Vessel should be Classed 100A 1 "Steel"  
With, or without Freeboard, as condition of Class "Spar Deck"

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

Committee's Minute  
Character assigned 100A 1 "Steel"  
Spar dk.

This vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed 100A 1 ("Steel") "Spar Deck" as recommended.

2 a + r  
+ 2 m c 3.95  
2 dks (11 steel-wood) + Spar dk.  
(Steel-Teak)

100A 1 ("Steel") "Spar Deck"  
2 dks (11 steel-wood) + Spar dk (Steel-Teak)  
W.B. = C.U.D.B. a 66' m E + B 106' + 74' 55" E

Certs. to be retained by Surveyors until survey complete  
now in order

The bottom of the vessel has been examined in dry dock for cleaning and painting and a general examination made by the Surveyors who report the vessel to be in good condition and eligible for the class indicated. See General Report No. 11198 attached. See Surveyors reply dated 21.3.95

Null Certificate

as 1/4/95

Lloyd's Register  
665 171 0343 (2/2)