

2  
Decks.

# IRON OR STEEL STEAMER.

Received at London Office SAT 27 OCT 1906

Date of completion of report

October 25<sup>th</sup> 1906. Port of Hull

Survey held at Hull

Date, First Survey April 19<sup>th</sup>

Last Survey Oct 24<sup>th</sup> 1906.

On the Steel Screw Steamer "TENOR."

Rig Schooner.

TONNAGE under 2394.15

Tonnage Deck... 94.15

Do. between Tonnage Dk. and 3rd and 4th Dk. 39.21

Total under Upper Dk. 10.84

Do. of Poop 24.15

Do. of Bridge House 39.21

Do. of Forecastle 10.84

Do. of Houses on Dk. 24.15

Do. of excess of Hatchways 39.21

Do. above Crown of 10.84

Do. of Room 24.15

Do. of Space 39.21

Do. of Crown of 10.84

Do. of Room 24.15

Do. of Space 39.21

Do. of Crown of 10.84

Do. of Room 24.15

Do. of Space 39.21

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Do. of Room 24.15

Two THREE DECKED VESSEL.

CLASS 100 A1.

FEET.

Half Breadth (moulded) 19.91

Depth from upper part of Keel to top of Upper Deck Beams 24.83

Girth of Half Midship Frame (as per Rule) 41.33

deduct 7 feet. 96.04

1st Number 79.07

Length on deck from after part of stem to fore part of 338.33

2nd Number 26451.45

Proportions—Breadth to Length 8.49

Depth to Length—Upper Deck to top of Keel 13.60

Main Deck ditto

Destined Voyage Valparaiso

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

Master A. O. Gray

Year of appointment

Built at Hull

When built 1906

Launched 15<sup>th</sup> September

By whom built Charles Shipbuilding & Engineering Co. Ltd.

Owners Compania Sud Americana de Vapores.

Managers

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

Residence Valparaiso.

Port belonging to Valparaiso.

Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 24 10 No. of Decks with flat laid Two  
Feet. Inches. Moulded 39 9 3/4 Do. do. do. do. Main Dk. Beams 15 4 No. of Tiers of Beams Two  
Round of Upper Dk. Beam, Actual 10 ins.

Dimensions of Ship per Register, Length 340.0 breadth 40.2 depth 21.55 Moulded depth, ft. 24 ins. 0 To Upper Dk.

## FRAMING.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
KEEL, Angle, or 7/8" L Bars for 1/2 length amidships	4	3 1/2	10	4	3 1/2	10
for 1/2 at each end	4	3 1/2	9	4	3 1/2	9
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	7	3 1/2	3 1/2	7
" " at intermdt. Bkts.						
" " of Frames from moulding edge to moulding edge, all fore and aft		24			24	
PERFORATED FRAME, Angle, 3/4" x 3/4"	3 1/2	3	8	3 1/2	3	8
PERFORATED FRAMING, depth of girder		7			7	
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	40		8	40		8
in way of Engines and Boilers	48	13	10	48	13	10
thickness at the ends of vessel						
depth at 1/2 the half breadth, as per Rule						
height extended at the Bilges						
DOORS & BRACKETS in Cell Dble Bottoms	40		8	40		8
" " Distance apart		24			24	
CENTRE GIRDER, in Double bottom, depth and thickness	40		12	40		12
" " Angles, Top	40	4	9	4	4	9
" " Bottom	4	4	12	4	4	12
DE GIRDERS, number on each side & thickness	8		7	8		7
" " Angles	3 1/2	3 1/2	7	3 1/2	3 1/2	7
MARGIN PLATE, depth (exclusive of flange) and thickness	30 1/2		9	30 1/2		9
" " Angles to Outside Plating	3 1/2	3 1/2	9	3 1/2	3 1/2	9
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	40		9	40		9
" " in Engine and Boiler space	48	13	11	48	13	11
" " Remainder in Holds		8	7		8	7
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	8	5 1/2	3	8
" " Angles on upper edge						
" " Average space		24			24	
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	3 1/2	13	9	3 1/2	13
" " Angles on upper edge						
" " Average space		48			48	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" " Angles on upper edge						
" " Average space						
BEAMS, Hold, or Orlop, Plate or Tee Bulb						
" " Angles on upper edge						
" " Average space						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	8	4 1/2	3	8
" " Angles on upper edge						
" " Average space		48			48	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	9	4 1/2	3	9
" " Angles on upper edge						
" " Average space		48			48	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	8	3	10	8	3	10
" " Angles on upper edge						
" " Average space		48			48	
PILLARS, In 'tween Deck, size and spacing	3	96		3	96	
" " Hold						
" " Quarter 'tween Dks.	3	96		3	96	
" " in Hold	4	4 1/2	96	4	4 1/2	96
WEB-FRAMES, In Fore Body, No. and spacing						
" " brdth. & thickness						
" " No. of Side Stringers						
WEB-FRAMES, In E. & B. Space, No. & spacing	4		8	4		8
" " brdth. & thickness						
WEB-FRAMES, In After Body, No. and spacing						
" " brdth. & thickness						
" " No. of Side Stringers						
" " Size of Angles on Tee Bars to Web-Frames	6	4	10	6	4	10
BRACKET PLATES to Stringers between Web Frames, depth and thickness						

## FORGINGS or CASTINGS.

	Inches in Ship	Inches per Rule Or as Approved
KEEL, Bar or Side Plates, depth and thickness	10 1/2 x 2 3/4	10 1/2 x 2 3/4
STEM, moulding and thickness	10 x 6 1/2	10 x 6 1/2
STERN-POST for Rudder do. do.	8	8
" " for Propeller	6 1/2 x 5 3/8	6 1/2 x 5 3/8
MAIN PIECE of Rudder, diameter at head		
" " do. at heel		

RUDDER, how constructed Cast steel, single plate 1"  
Can the Rudder be unshipped afloat? Yes.

## KEELSONS & STRINGERS.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	20ths in Ship
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	6	4	10	6	4	10
" Bulb Plate for length						
" Intercoastal Plate for full length	11	8	11	8		
" Attached to outside Plating with Angle	3 1/2	3 1/2	8	3 1/2	3 1/2	8
SIDE STRINGER Angles	6	4	10	6	4	10
" Bulb or Intercoastal Plate, for full lng.	11	8	11	8		
" Attached to outside plating with Angle	3 1/2	3 1/2	8	3 1/2	3 1/2	8
Upper Deck Stringer Plates, br'dth & thickness	48	12	48	12		
" Angle on ditto	6 x 6	15	6 x 6	15		
" Tie Plates fore and aft, outside Hatchways						
" Deck * Iron or Steel, for full lng.						
" Wood Deck. Material & thickness						
Middle Deck Stringer Plate, br'dth & thickness	48	10	48	10		
" Angles on ditto, No. Two	4 x 4	9	4 x 4	9		
" Tie Plates outside Hatchways						
" Diagonal Tie Plates on Bms., No. of prs.						
" Deck * Iron or Steel, for full lng.						
" Wood Deck. Material & thickness						
Lower Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck * Material and thickness						
Hold, or Orlop Stringer Plate, br'dth & thckn's						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck. Material and thickness						
Poop Deck Stringer Plate, breadth & thickness	30	7	30	7		
" Angle on ditto	4 x 4	8	4 x 4	8		
" Tie Plates						
" Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness	44	8	44	8		
" Angle on ditto	4 x 4	9	4 x 4	9		
" Tie Plates	13	8	13	8		
" Deck. Material and thickness	3		3			
Forecastle Deck Stringer Plate, b'dth & th'kns	30	7	30	7		
" Angle on ditto	4 x 4	8	4 x 4	8		
" Tie Plates	13	7	13	7		
" Deck. Material and thickness	3		3			

	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.
W. T. BULKHEADS	5	5	7.6		
PARTITION					
LONGITUDINAL					
Are the outside Plates doubled two spaces of Frames in length (Diamond plates fitted)					
Are the Staircase Valves and Watertight Doors in efficient working order?					



PLATING.										RIVETING.																																																																																																																		
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.																																																																																																													
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Triple and for what length.	RIVETS.		STRAPS.		Breadth.	For what length.																																																																																																											
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.																																																																																																													
FLAT PLATE KEEL.....	36	18	12	12	36	18					9 1/2 L	1	4			14	Full																																																																																																											
GARBOARD OR A STRAKE...	50	13	11	11	50	13	Double	6	1	4	Full L	3/8	3 1/2			9	"																																																																																																											
State actual thickness in way of Double Bottom.	B	10	9	9	10	11	"	5 1/4	3/8	3 1/2	"	"	"	"	"	"	"																																																																																																											
C	11	9	9	9	11	11	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
D	12	10	10	10	12	12	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
E	13	10	10	10	13	13	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
F	12	10	10	10	12	12	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
G	12	9	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
H	11	9	9	9	11	11	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
J	12	9	9	9	12	12	"	"	"	"	"	"	"	"	"	"	"																																																																																																											
K	14	9	9	9	14	14	"	6	1	4	"	"	1	3 1/2		10 1/2	"																																																																																																											
Other	L	44	14	10	10	44	"	6	1	4	"	"	1	"	19	20	"																																																																																																											
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DOUBLING of Flat Plate Keel	In line of doubling, F.P.K increased						3/20. A strake 3/20, and Centre Liner 3/20 in thickness for 1/2 L																																																																																																																					
Length of Bilges	Doubled for 3/4 L. 16-18																																																																																																																											
Length of Sheerstrakes																																																																																																																												
Length of Strake below																																																																																																																												
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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.?																																																																																																																												
Mild Steel.																																																																																																																												
Palmer, Corbett, Huthoffnungshütte.																																																																																																																												
J. G. Dillingham, Dowlais.																																																																																																																												
Has the Steel been tested as required by the Rules? <i>Yes</i>																																																																																																																												
FRAMES extend in one length from keel to tankside, and tankside to gunwale.																																																																																																																												
REVERSED FRAMES on floors and frames extend from centre to tankside. (Bulk angle frames) Centre to Upper Deck on every frame in after peaks.																																																																																																																												
MASTS, SPARS, &c.																																																																																																																												
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Topmasts, Yards and Remainder of Spars Pitch pine.																																																																																																																												
Rigging, Material and Size, Shrouds Lead Steel wire 3 1/2																																																																																																																												
Sails, One Suit of Sails, and the following spare sails																																																																																																																												
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399	Kedge	5	3	4	8	0	2	14	5	2	0	"	"	" 24-9-06, "																																																																																																														
+ These cast steel anchor heads were tested and weighed for by J. Meyer, Dusseldorf.																																																																																																																												
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Boats 2 Sloopboats and 2 Others																																																																																																																												
Pumps, Number 1 Downton pump, connected to steam engine. Diameter of Barrel 5 State whether they are in efficient working order. <i>Yes</i>																																																																																																																												
Windlass is by Emerson Walker & Thompson Brothers Capstan																																																																																																																												
Engine Room Skylights—How constructed? Deck plates and angles																																																																																																																												
What arrangements for deadlights in bad weather? Deck shutters and bulwarks.																																																																																																																												
Coal Bunker Openings—How constructed? Plates and angles. How are lids secured? Battened down Height above deck? 12.																																																																																																																												
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. On each side, 6 Scuppers, 9 Freeing Ports, 36 x 20																																																																																																																												
Ceiling in Holds, thickness and material 2 1/2 Pine Ceiling 'tween Decks, thickness and material 2" Pine Battens.																																																																																																																												
Cargo Hatchways—How formed? Plates and angles. See plan. Hatches, If strong and efficient? <i>Yes</i> . Steel plate																																																																																																																												
State size No. 1 Hatch (Forward) (2) 12 x 8' No. 2 Hatch (2) 24 x 8' No. 3 Hatch (2) 12 x 8' No. 4 Hatch (2) 12 x 8'																																																																																																																												
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch See approved plan.																																																																																																																												
Bulwarks, height above deck and description 4'-0" x 5'-0"																																																																																																																												
The above is a correct description.																																																																																																																												
Builder's Signature (here only) F. J. Dalhousie																																																																																																																												
Surveyor's Signature Allison B. Wilson.																																																																																																																												
Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																																																												

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

(M) March 14, 16, 22, 29, April 4, 10, 19, 20, 25, June 15-1906 (L) 15<sup>th</sup> May 1906Workmanship. 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 facing 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*Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes* State results of tests. *Satisfactory*Have 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 approved plans, the Secretary's letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this Report, Plans of Midship Section, Profile and Decks, Pumping Arrangements, Hatchways, Masts, and two Reports on the Stem, Stem Frame and Rudder, also a copy of a letter from the Owner representative in regard to the omission of the Bulkhead required by the Rules to divide the after holds, dated 23-4-06.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 15-0 ft., R.Q.D. or Break ☒ ft., Bridge Dk. 42-0 ft., F'castle 39-0 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 (Steel) &amp; dup framing, 3 Dk hull.

Official No. ☒; Signal Letters

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

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	88-0	146	Fore peak tank,		
Double bottom, under Engines and Boilers,	40-0	88	After peak tank,		
Double bottom, if under Engines only,			Midship deep tank,		13
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	166-0	302	(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. 1593

Date 11/4/06

No. 522 in builder's yard.

Dates of Surveys held while building

1906: Apr. 19, 23, May 1, 3, 10, 15, 24, 29, 30, June 7, 12, 19, 25, 29, 30, July 3, 9, 18, 25, 31, Aug 2, 8, 9, 11, Aug 15, 17, 18, 25, 28, Sep 1, 12, 13, 18, 20, 24, 27, 29, Oct 1, 3, 6, 8, 9, 10, 12, 13, 22, 24.

Total No. of Visits 47

The amount of Entry Fee.....£ 5 :- :-

Special Survey Fee .....£ 87: 6: 6

Travelling Expenses, if any £ :- :- :-

Fees applied for, 17/10/1906

Received by me, 24/10/1906

Signature

Certificate to be sent to *Hull*

State whether the Vessel has been built under Special Survey *Yes*.

I am of opinion this Vessel should be Classed *100 A1.*

With, or without Freeboard, as condition of Class *Without.*

Allison B. Wilson.

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

Committee's Minute TUES. 30 OCT 1906

Character assigned 100 A1 (Hull)

Lloyd's at CP + HMC 10.06

Engine



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