

3 Decks.

IRON OR STEEL STEAMER.

No. 14892
JUES 29 DEC 1896

Date of completion of report 28 Dec
Survey held at Glasgow
On the Steel Screw Steamer "PISA"
TONNAGE under Tonnage Deck 40215
Do. between Tonnage Dk. and 3rd and 4th Dk. 1272
Total under Upper Dk. 41487
Do. of Poop 179
Do. of Bridge House 50.94
Do. of Forecastle 149.13
Do. of Houses on Dk. 12.72
Do. of excess of Hatchways 35.28
Do. above Crown of Engine Room 4473.12
Gross Tonnage 109.43
Less Crew Space 35.28
Less above Crown of Engine Room 4328.41
TONNAGE FOR FEES 1431.4
Less Engine Room 36.02
Less Navigation Spaces 2896.27
Register Tonnage as cut on Beam 2896.27

State if Report is also sent on the Machinery of the Vessel
Port of Glasgow
Date, First Survey April 29
Last Survey Dec 22 1896
Rig Schooner (2 masts)
Master J. Fendt
Year of appointment (1) As Master in service of owner of present vessel - 1896
(2) As Master of this vessel - 1896
Built at Glasgow
When built 1896 Launched 2nd Nov 1896
By whom built A. Stephen & Sons
Owners R. M. Sloman & Co
Managers (Where necessary to be entered in Reg. Book.)
Residence Hamburg
Port belonging to Hamburg
If Surveyed while Building, Afloat, or in Dry Dock

THREE DECKED VESSEL.
CLASS 100A.1. Net

Half Breadth (moulded) 22.91
Depth from upper part of Keel to top of Upper Deck Beams 31.41
Girth of Half Midship Frame (as per Rule) 49.64
deduct 7 feet 7.0
103.96
1st Number 96.96
Length 388.16
2nd Number 37635.9
Proportions—Breadth to Length 8.47
Depth to Length—Upper Deck to top of Keel 12.35
Main Deck ditto 16.55
Destined Voyage Hamburg

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH top of Floor to Upper Deck Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
388	2	45	10	27	9	27	9	5740	2	2	2	2

Dimensions of Ship per Register, Length 390.0 breadth 46.2 depth 27.7. Moulded depth, ft. 30 ins. 6 To Upper Dk. Beam, Upper Dk. 11 ins.

FRAMING.	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule	Inches per Rule	16ths or 20ths per Rule	FORGINGS or CASTINGS.	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule	Inches per Rule	16ths or 20ths per Rule
FRAME, Angles, or Bars for 1/2 length amidships	5 1/2	3 1/2	9	5 1/2	3 1/2	9	KEEL, Bar or Side Plates, depth and thickness	10 x 1 3/8	10 x 1 3/8	10 x 1 3/8	10 x 1 3/8	10 x 1 3/8	10 x 1 3/8
Do. for 1/2 at each end	5 1/2	3 1/2	8	5 1/2	3 1/2	8	STEM, moulding and thickness	11 x 3 3/8	11 x 3 3/8	11 x 3 3/8	11 x 3 3/8	11 x 3 3/8	11 x 3 3/8
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9	3 1/2	3 1/2	9	STERN-POST for Rudder do. do.	11 x 7 1/2	11 x 7 1/2	11 x 7 1/2	11 x 7 1/2	11 x 7 1/2	11 x 7 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	24	24	24	24	24	MAIN PIECE of Rudder, diameter at head	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
REVERSED FRAME, Angles	4	3 1/2	9	4	3 1/2	9	RUDDER, how constructed	Forges frame & single plate 2 1/2 x 20	2 1/2 x 20	2 1/2 x 20	2 1/2 x 20	2 1/2 x 20	2 1/2 x 20
DEEP FRAMING, depth of girder	4	3 1/2	9	4	3 1/2	9	Can the Rudder be unshipped afloat?	Yes	Yes	Yes	Yes	Yes	Yes
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	1 1/2	1 1/2	10	1 1/2	1 1/2	10	KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule	Inches per Rule	16ths or 20ths per Rule
in way of Engines and Boilers	1 1/2	1 1/2	10	1 1/2	1 1/2	10	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	10	10	10	10	10	10
thickness at the ends of vessel	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Rider Plate	10	10	10	10	10	10
depth at 1/2 the half breadth, as per Rule	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Bulb Plate to Intercoastal Keelson	10	10	10	10	10	10
height extended at the Bilges	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Horizontal Plates on Floors	10	10	10	10	10	10
FLOORS & BRACKETS in Cell Dble Bottoms	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Angles	10	10	10	10	10	10
Distance apart	1 1/2	1 1/2	10	1 1/2	1 1/2	10	SIDE KEELSON, Angles	10	10	10	10	10	10
CENTRE GIRDER, in Double bottom, depth and thickness	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Bulb or Plate above floors, for length	10	10	10	10	10	10
Angles, Top	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Intercoastal Plate, for length	10	10	10	10	10	10
Bottom	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Attached to outside Plating with Angle	10	10	10	10	10	10
SIDE GIRDERS, number and thickness	1 1/2	1 1/2	10	1 1/2	1 1/2	10	BILGE KEELSON, Angles	10	10	10	10	10	10
Angles	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Bulb or Plate above floors, for length	10	10	10	10	10	10
MARGIN PLATE, depth (exclusive of flange) and thickness	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Intercoastal Plate for length	10	10	10	10	10	10
Angles	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Attached to outside Plating with Angle	10	10	10	10	10	10
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	1 1/2	1 1/2	10	1 1/2	1 1/2	10	BILGE STRINGER Angles	10	10	10	10	10	10
in Engine and Boiler space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Bulb or Plate for length	10	10	10	10	10	10
Remainder in Holds	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Intercoastal Plate for length	10	10	10	10	10	10
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Attached to outside Plating with Angle	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	SIDE STRINGER Angles	10	10	10	10	10	10
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Bulb or Intercoastal Plate, for length	10	10	10	10	10	10
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Attached to outside plating with Angle	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Upper Deck Stringer Plates, br'dth & thickness	59	12	59	12	59	12
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Angle on ditto	4 1/2 x 4 1/2	11	4 1/2 x 4 1/2	11	4 1/2 x 4 1/2	11
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Tie Plates fore and aft, outside Hatchways	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Deck * Iron or Steel, for whole lng.	10	10	10	10	10	10
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Wood Deck. Material & thickness P.P.	3 1/2	8 1/2	3 1/2	8 1/2	3 1/2	8 1/2
BEAMS, Hold, or Orlop, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Middle Deck Stringer Plate, br'dth & thickness	59	10	59	10	59	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Angles on ditto, No. 2	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Tie Plates outside Hatchways	10	10	10	10	10	10
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Diagonal Tie Plates on Bms. No. of pres.	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Deck * Iron or Steel, for whole lng.	10	10	10	10	10	10
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Wood Deck. Material & thickness	8.7	8.7	8.7	8.7	8.7	8.7
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Lower Deck Stringer Plate, br'dth & thickness	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Angles on ditto, No.	10	10	10	10	10	10
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Tie Plates, outside Hatchways	10	10	10	10	10	10
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Deck * Material and thickness	10	10	10	10	10	10
Angles on upper edge	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Hold, or Orlop Stringer Plate, br'dth & thckn's	10	10	10	10	10	10
Average space	1 1/2	1 1/2	10	1 1/2	1 1/2	10	Angles on ditto, No.	10	10	10	10	10	10
PILLARS, In 'tween Deck, size and spacing	2 1/2	48	2 1/2	48	2 1/2	48	Tie Plates outside Hatchways	10	10	10	10	10	10
Hold	2 1/2	48	2 1/2	48	2 1/2	48	Deck. Material and thickness	10	10	10	10	10	10
Quarter 'tween Dks.	2 1/2	48	2 1/2	48	2 1/2	48	Poop Deck Stringer Plate, breadth & thickness	28	7	28	7	28	7
in Hold	2 1/2	48	2 1/2	48	2 1/2	48	Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8
WEB-FRAMES, In Fore Body, No. and spacing	11	6 spaces	11	6 spaces	11	6 spaces	Tie Plates	15	8	15	8	15	8
br'dth. & thickness	18	9	18	9	18	9	Deck. Material and thickness P. Pine	3	3	3	3	3	3
No. of Side Stringers	18	9	18	9	18	9	Bridge Deck Stringer Plate, br'dth & thickness	40	10	40	10	40	10
WEB-FRAMES, In E. & B. Space, No. & spacing	7	4 spaces	7	4 spaces	7	4 spaces	Angle on ditto	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9
br'dth. & thickness	18	9	18	9	18	9	Tie Plates	15	8	15	8	15	8
WEB-FRAMES, In After Body, No. and spacing	10	6 spaces	10	6 spaces	10	6 spaces	Deck. Material and thickness P. Pine	3	3	3	3	3	3
br'dth. & thickness	18	9	18	9	18	9	Forecastle Deck Stringer Plate, b'dth & th'kns	28	7	28	7	28	7
No. of Side Stringers	18	9	18	9	18	9	Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8
Size of Angles or Tee Bars to Web-Frames	4	3 1/2	9	4	3 1/2	9	Tie Plates	15	8	15	8	15	8
BRACKET PLATES to Stringers between Web Frames, depth and thickness	18	18	9	18	18	9	Deck. Material and thickness P. Pine	3	3	3	3	3	3

16892-96

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

26/3/96, 10/4/96, 5/5/96, 15/5/96, 26/5/96, 31/7/96, M. 17/7/96 E.

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

Is the riveted work properly closed? *Yes*

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

to plate, &c., conform well to each other? *Yes*

from the faying surfaces? *Yes*

Do any rivets break into or through the seams or butts of plating? *A few only*

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

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

The workmanship throughout is good. The vessel has been built in accordance with the approved plans, the Secretary's letters referred to, and in general conformity with the requirements of the Rules for the class contemplated.

The upper dk plating in way of the ends of bridge has been increased in thickness as shown on plan attached to approved deck plan.

The upper dk & hand pumps have been tested as required & found satisfactory.

The watertight doors have also been tested & found to work satisfactorily.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *64.0* ft., R.Q.D. or Break _____ ft., Bridge Dk. *100.0* ft., F'castle *50.0* 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 & w.s.) & web frames.*

Official No. _____; Signal Letters _____

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 *Cell & Btu*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<i>118</i>	<i>270</i>	Fore peak tank,	<i>✓</i>	<i>✓</i>
Double bottom, forward,	<i>146</i>	<i>355</i>	After peak tank,	<i>✓</i>	<i>55</i>
Double bottom, under Engines and Boilers,			Midship deep tank,	<i>✓</i>	<i>✓</i>
Double bottom, if under Engines only,	<i>28</i>	<i>824</i>	Other tanks, if fitted,	<i>✓</i>	<i>✓</i>
Double bottom, if under Boilers only,	<i>28</i>	<i>824</i>	(If necessary, furnish further information by sketch.)	<i>✓</i>	<i>✓</i>

* The space under boiler is not to be used as a ballast tank. State whether the above have been tested as required by the Rules *Yes*

Order for Special Survey No. *2939*

Date *13 April 1896*

Order for Ordinary Survey No. *✓*

Date *✓*

No. *169* in builder's yard.

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 *1896 Apr 29, May 1.5.8.12.14.17.21.26.28, June 2.5*
 2nd. On the plating during the process of riveting *9. 11. 15. 17. 19. 23. 25. 30. July 2.7.10.14.28.30 Aug*
 3rd. When the beams were in and fastened, and before the decks were laid *4.7.11.14.18. 25.27. Sept 1.4.10.14. 17.22.24.30 Oct 6.9*
 4th. When the ship was complete, and before the plating was finally coated or cemented ... *14.19.23.26.28.29 Nov 2.3.5.9.11.17.18.20.23*
 5th. After the ship was launched and equipped *Dec 3.10.17.22* Total No. of Visits *62*

The amount of Entry Fee.....£ *5* : " : "
 Special Survey Fee ...£ *133* : *4* : "
 Travelling Expenses, if any £ " : " : "

Fees applied for, *24/12/1896*
 Received by me, *26/12/1896*

Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed *100 A.D. Steel.*

With, or without Freeboard, as condition of Class

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

Committee's Minute

Character assigned

*2 arc
 + 2 mc 12.96*

100A Steel

2 Dks (Steel & w.s.) + web frames

Engine

h/t.