

Decks.



STEEL STEAMER.

HAM1118-0194

(Received at London Office)

State if Report is also sent on the Machinery of the Vessel 710 will follow

Date of completion of report 9th May '93 Port of HamburgDate, First Survey 25th Aug. 1892 Last Survey 8th May 1893

Rig Schooner

Master R. Schüder

Year of appointment 91

Built at Hamburg

When built 1893 Launched 2nd March '93

By whom built Reihert's Schiffw. & Maschinenf.

Owners Deutsche Dampfschiff-

Managers Phederer & Co. Hamburg

Residence Hamburg

Port belonging to Hamburg

If Surveyed while Building, Afloat, or in Dry Dock yes

Tonnage under

Tonnage Deck

Between Tonnage Dk. &

3rd and 4th Dk.

Tonnage under Upper Ek.

of Poop 135.6

of Bridge House 152.2

of Houses on Dk. 52.6

of excess of Hatchways 56.1

of Forecastle 3466.2

of Crown of 150.3

of Tonnage 753.5

of Room 3466

of 2 FEES.

of Room

of Cagitation Spaces

Register Tonnage 2562.4

cut on Beam

THREE DECKED VESSEL.

CLASS 100A1

Half Breadth (moulded) 21.00

Depth from upper part of Keel to top of Upper Deck Beams 29.69

Girth of Half Midship Frame (as per Rule) 46.70

deduct 7 feet 97.29

1st Number 90.29

Length 350.00

2nd Number 316.00

Proportions—Breadth to Length 8.33

Depth to Length—Upper Deck to top of Keel 11.78

Main Deck ditto 15.06

Destined Voyage China

Length on Deck 350 00 Breadth Moulded 41 10 DEPTH top of Floor to Upper Deck Beams 26 3 DEPTH top of Floor to Main Deck Beams 18 6 Power of Horse Engines 527 No. of Decks with flat laid 12 No. of Tiers of Beams 12

Dimensions of Ship per Register, Length 351.6 breadth 42.05 depth 25.78 Moulded depth, ft. 28 ins. 8 To Upper Dk. Beam, Upper Dk. 12 ins.

FORGINGS or CASTINGS.

EL, Bar or Side Plates, depth and thickness 10 x 1 1/2

EM, moulding and thickness 11 x 2 7/8

ERN-POST for Rudder do. do. 11 x 6 3/4

for Propeller 11 x 6 3/4

PIECE of Rudder, diameter at head 9

do at heel 4 1/2

ER, how constructed same 2 plates

the Rudder be unshipped afloat? yes

FRAMING.

E, Angles, or 7 Bars for 1/2 length amidships 5 1/2 3 1/2 8 5 1/2 3 1/2 8

for 1/2 at each end 5 1/2 3 1/2 7 5 1/2 3 1/2 7

in way of Double Bottoms 3 1/2 3 1/2 8 3 1/2 3 1/2 8

ance of Frames from moulding edge to 24 before built 18 1/2

moulding edge, all fore and aft 4 5 1/2 8 4 3 1/2 8

ERSED FRAME Angles 4 5 1/2 8 4 3 1/2 8

DOERS, depth and thickness of Floor Plate 10 8

at mid-line for 1/2 length amidships 10 8

in way of Engines and Boilers 10 8

thickness at the ends of vessel 10 8

depth at 1/2 the half breadth, as per Rule 10 8

height extended at the Bilges 10 8

DOERS & BRACKETS in Cell Dble Bottoms 8, 9, 10 8, 9, 10

Distance apart 24 10 24 10

NTRE GIRDER, in Dbl Btm, depth & thckns 42 10 42 10

Angles, Top 4 4 9 4 4 9

DE GIRDERS, number and thickness 8 8

3 Angles in way of E. & B. 3 1/2 3 1/2 8 3 1/2 3 1/2 8

RGIN PLATE, dpth (excl. of flange) & thckns 28 8 28 8

Angles 4 4 9 4 4 9

ER BOTTOM PLATING, breadth and 10 8

thickness of Middle Line Strake 10 8

in Engine and Boiler space 10 8

Remainder in Holds 8 7 8 7

MS, Upper Deck, Single Angle, Bulb 9 9 9 9

Angle, Plate or Tee Bulb 9 9 9 9

Angles on upper edge 48 48

Average space 48 48

MS, Middle Deck, Single Angle, Bulb 7 1/2 3 10 7 1/2 3 10

Angle, Plate or Tee Bulb 7 1/2 3 10 7 1/2 3 10

Angles on upper edge 24 24

Average space 24 24

MS, Lower Deck, Single Angle, Bulb 11 12 11 12

Angle, Plate or Tee Bulb 11 12 11 12

Angles on upper edge 48 48

Average space 48 48

MS, Hold, or Orlop, Plate or Tee Bulb 7 1/2 3 9 7 1/2 3 9

Angle, Plate or Tee Bulb 7 1/2 3 9 7 1/2 3 9

Angles on upper edge 48 48

Average space 48 48

MS, Forecastle Deck, Angle, Bulb Angle, 8 1/2 3 10 8 1/2 3 10

Plate or Tee Bulb 8 1/2 3 10 8 1/2 3 10

Angles on upper edge 48 48

Average space 48 48

MS, Between Decks, Size and Spacing 23 1/4 48 23 1/4 48

Hold 3 1/4 4 48 3 1/4 4 48

FRAMES, In Fore Body, No. and spacing 18 8 18 8

Brth. & Thickness 18 8 18 8

No. of Side Stringers 18 8 18 8

FRAMES, In After Body, No. and spacing 4 3 8 4 3 8

Brth. & Thickness 4 3 8 4 3 8

Size of Angles or Tee Bars to Web Frames 4 3 8 4 3 8

KET PLATES to Stringers between 9 9

Frames, Depth and Thickness 9 9

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above 10 x 1 1/2

floors, Through Plate, or Intercoastal Plate 11 x 2 7/8

Rider Plate 11 x 6 3/4

Bulb Plate to Intercoastal Keelson 11 x 6 3/4

Horizontal Plates on Floors 9

Angles 4 1/2

SIDE KEELSON, Angles 4 1/2

Bulb or Plate above floors, for length 4 1/2

Intercoastal Plate, for length 4 1/2

Attached to outside Plating with Angle 4 1/2

BILGE KEELSON, Angles 4 1/2

Bulb or Plate above floors, for length 4 1/2

Intercoastal Plate for length 4 1/2

Attached to outside Plating with Angle 4 1/2

BILGE STRINGER Angles 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Bulb Plate for length 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Intercoastal Plate for 3 1/2 length 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Attached to outside Plating with Angle 4 1/2 4 1/2 9 6 1/2 4 1/2 9

SIDE STRINGER Angles 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Bulb or Intercoastal Plate for lng. 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Attached to outside Plating with Angle 4 1/2 4 1/2 9 6 1/2 4 1/2 9

Upper Deck Stringer Plate, on ends of Beams, 54 10 54 10

breadth and thickness 4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11

Angle on ditto 4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11

Tie Plates fore and aft, outside Hatchways 3 7 8 3 7 8

Flat of Dk. * Iron or Steel, for whole lng. 3 7 8 3 7 8

Wood * Material & thickness 3 7 8 3 7 8

How fastened to Beams 3 7 8 3 7 8

Middle Deck Stringer Plate, br'dth & thickness 54 10 54 10

Angles on ditto, No. 4 x 4 9 4 x 4 9

Tie Plates outside Hatchways 4 x 4 9 4 x 4 9

Diagonal Tie Plates on Bms, No. of prs. 4 x 4 9 4 x 4 9

Flat of Dk. * Iron or Steel, for whole lng. 7 8 7 8

Wood * Material & thickness 7 8 7 8

How fastened to Beams 7 8 7 8

Lower Deck Stringer Plate, br'dth & thickness 45 9 45 9

Angles on ditto, No. 4 x 4 9 4 x 4 9

Tie Plates, outside Hatchways 4 x 4 9 4 x 4 9

Flat of Deck * Material and thickness 4 x 4 9 4 x 4 9

How fastened to Beams 4 x 4 9 4 x 4 9

Hold or Orlop Stringer Plate, br'dth & thckns 35 7 35 7

Is the Stringer Plate attached to the outside Plating? 3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 7

Angles on ditto, No. 18 7 18 7

Tie Plates outside Hatchways 18 7 18 7

Flat of Deck * Material and thickness 18 7 18 7

How fastened to Beams 18 7 18 7

Poop Deck Stringer Plate, breadth & thickness 35 7 35 7

Angle on ditto 3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 7

Tie Plates 18 7 18 7

Flat of Deck, Material and thickness 18 7 18 7

Bridge Deck Stringer Plate, breadth & thckns 45 8 45 8

Angle on ditto 3 1/2 x 3 1/2 9 3 1/2 x 3 1/2 9

Tie Plates 18 8 18 8

Flat of Deck, Material and thickness 18 8 18 8

Forecastle Deck Stringer Plate, bdth & thckns 35 7 35 7

Angle on ditto 3 1/2 x 3 1/2 9 3 1/2 x 3 1/2 9

Tie Plates 18 7 18 7

Flat of Deck, Material and thickness 18 7 18 7

PLATING.

FLAT PLATE KEEL, breadth and thickness 36 13 36 13

D'bling or inc. thickness & len. appl'd. 36 13 36 13

PLATES in Garboard Strakes, br'dth & thickness 36 13 36 13

from Garboard to lower part of Bilges 11 x 12 11 x 12

State Thickness of Plating in way of Double Bottom 3 13 3 13

Bilges, number of Strakes and thickness 3 13 3 13

Of doubling at Bilge, or increased thickness, 12 12

and length applied 12 12

from up. prt. of Bilge to l. edge of Sh'strake 14 15 14 15

1 strake below sh'strake 14 15 14 15

Sheerstrake, breadth and thickness 44 15 44 15

Of d'bling at Sh'stk. & length appl'd 1/2 L 14 14

Poop Sides 7 7

Bridge do. 7 7

Forecastle do. 7 7

Lengths of Plating 7 14 7 14

BULKHEADS.		No. in Vessel	No. Reqd. by Rule
Thickness	Angles	Spacing	Height up
W. T. BULKHEADS	7/20	Vrt. 5/2 x 3/8 30	upper deck
		Hrzt. 7/2 x 5/16 46	double
PARTITION		Vrt. 7/2 x 5/16 46	Welfham E.B. bulkhead
		Hrzt.	
LONGITUDINAL		Vrt.	

Are the outside Plates doubled two spaces of Frames in length? *Yes*
The **FRAMES** extend in one length from *tank* to *upper deck*
The **REVERSED ANGLE** on floors and frames from *to upper bridge deck and fore-castle deck*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.
Garboard, double riveted to Bar Keel or Flat Plate Keel, with rivets *1 1/4* in. diameter, averaging *5* ins. from centre to centre.
Edges of Garboards, and to upper part of Bilge, worked clench, double riveted; with rivets *7/8* in. diameter, averaging *3 1/2* ins. from centre to centre.
Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for *length*; with rivets *7/8* in. dia., averaging *3* ins. from cr. to cr.
overlapped for *whole* length, treble riveted for *whole* length; with rivets *7/8* in. dia., averaging *3* ins. from cr. to cr.
Butts of *Strakes at Bilge* for *length*, treble riveted with Butt Straps *thicker* than the plates they connect.
Edges from Bilge to Sheerstrake, worked clench, double riveted; with rivets *7/8* in. diameter, averaging *3 1/2* ins. from centre to centre.
Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for *whole* length; with rivets *7/8* in. dia., averaging *5* ins. from cr. to cr.
overlapped for *length*, treble riveted for *length*; with rivets *7/8* in. dia., averaging *5* ins. from cr. to cr.
Edges of Sheerstrake, double riveted. *1 1/2* inch 4" ap. **Butts of Sheerstrake**, treble riveted for *whole* length amidships. *1 1/2* inch 3 1/2 ap.
Butts of Middle Deck Stringer Plate, treble riveted for *whole* length amidships. **Butts of Upper Deck Stringer Plate**, treble riveted for *whole* length.
Single or Double Straps for *length* amidships. " " " " Single or Double Straps for *length* amidships.
Butts of Inner Bottom Plating *double* riveted for *length*. **Butts of Centre Girder** *with double butts* riveted. *treble*
Breadth of edge laps of Shell Plating in double riveting *5 1/2" x 6"*. **Breadth of edge laps of Shell Plating** in single riveting *5 1/2" x 6"*.
Butt Straps of Shell Plating, breadth and thickness *1 1/2" x 10"*. **Butts if Lapped**, breadth of laps *10"*.
Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? *treble*

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.) *Donnan Long & Co. Ltd. Bar, Cornett Iron Co. Ltd. plating.*

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 the plating? *no*
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*

MASTS, SPARS, &c.		DIAMETER AND THICKNESS.		No. of plates	ANGLES.		RIVETING.	
	Material.	Total Length		At Partners.	Heel.	Hounds.	Head.	
Fore	<i>steel</i>	<i>126</i>		<i>24 x 1 1/2</i>	<i>24 x 1 1/2</i>	<i>21 x 1 1/2</i>	<i>30 x 1 1/2</i>	<i>3</i>
Main	<i>"</i>	<i>120</i>						<i>3</i>
Mizzen	<i>"</i>							
Bowsprit								
Topmasts, Yards and Remainder of Spars	<i>3 yards of steel and one of pitch pine</i>							
Rigging, Material and Size, Shrouds	<i>steel 4 1/4"</i>							
Sails.	<i>complete</i>							

EQUIPMENT No. 30186 - LETTER W -		ANCHORS.	
Number of Certificate.	Weight, Ex. Stock.	Weight of Stock.	Test, Per Certificate.
1st Bower ..	<i>40</i> qrs. <i>21</i> lbs.	<i>0</i> 3 <i>23</i>	<i>30</i> 10 <i>0</i> 0
2nd ..	<i>40</i> 0 <i>10</i>	<i>0</i> 3 <i>16</i>	<i>35</i> 18 <i>3</i> 0
3rd ..	<i>35</i> 2 <i>0</i>	<i>5</i> 1 <i>14</i>	<i>32</i> 15 <i>0</i> 0
4th ..			
Collective weight	<i>116</i> 2 <i>12</i>		
Stream ...	<i>12</i> 0 <i>21</i>	<i>3</i> 0 <i>10</i>	<i>14</i> 1 <i>3</i> 14
Kedge	<i>0</i> 0 <i>2</i>	<i>1</i> 2 <i>0</i>	<i>8</i> 7 <i>2</i> 0
2nd Kedge ..	<i>3</i> 0 <i>3</i>	<i>2</i> 7 <i>5</i>	<i>12</i> 0 <i>21</i>

CHAIN CABLES.
Number of Certificate. *13477* Fathoms. *150* Size. *2 1/8* Test per Certificate. *107 1/2* Weight of Chain Cable. *255.3* Fathoms & size, Description, Per Rule. *300 x 2 1/8* Makers of Cables. *W. T. Bullock & Co. Ltd. Tipton 10/12/92*
13476 *150* *2 1/8* *255.2* *300 x 2 1/8* *W. T. Bullock & Co. Ltd. Tipton 10/12/92*
Iron stream Chain or Steel Wire. *90* *1 1/2* *36.5* *63.1* *90 x 1 1/2* *W. T. Bullock & Co. Ltd. Tipton 10/12/92*
Towline (steel wire). *120* *4 1/2* *100* *4"* *100* *3 1/4* *120* *4"* *W. T. Bullock & Co. Ltd. Tipton 10/12/92*
Boats. *4* *iron* *brab* *28* and *2* *wooden* *one* *22'* *long*
Pumps, Number. *4* Diameter of Barrel and Tail Pipe. *6" x 3"*
The Windlass is *black Chapman's* Capstan *2"*
Engine Room Skylights.—How constructed? *above bridge deck, iron & teak*
What arrangements for deadlights in bad weather? *good*
Coal Bunker Openings.—How constructed? *under bridge deck* How are lids secured? *well* Height above deck? *24"*
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *10* *scuppers* and *8* *freeing ports*
24" x 21"
Cargo Hatchways.—How formed? *of iron 1 1/2 plate 24" above deck* Hatches, If strong and efficient? *yes*
State size No. 1 Hatch (Forward) *16' x 10'* No. 2 Hatch *24' x 14'* No. 3 Hatch *8' x 8'* No. 4 Hatch *12' x 12'*
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *10* *2* *Web* and *3* *fore* and *after*
Bulwarks, height above deck and description *4 feet of steel* Main Rail, material and size *teak 9" x 3"*
The above is a correct description.
Builder's Signature (here only) *G. Hambro, Lpt. Surveyor* Surveyor's Signature, *Emil Padderaat* Surveyor to Lloyd's Register of British and Foreign Shipping.

Order for Special Survey No.		Order for Ordinary Survey No.	
Date	DAVES of Surveys held while building as per Section 18.	Date	DAVES of Surveys held while building as per Section 18.
		No. <i>387</i>	in builder's yard
State dates and initials of letters respecting this case <i>11th & 21st July and 27th Sept. 1892 M.</i>			
General Remarks (State quality of workmanship, &c.)			

Built under Special Survey
The vessel has been constructed in conformity with the plans submitted and approved by the Committee and in all other respects according to Rules. Workmanship and material are of best description and latter tested by Surveyors of this Society.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *54* ft., R.Q D. or Break *ft.*, Bridge Dk. *85* ft., F'castle *45* ft. (in feet and tenths) where 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 steel decks and upper deck wholly covered with wood*
Official No. *R. T. S. G.*; Signal Letters *R. T. S. G.*

PARTICULARS OF WATER BALLAST.
Double bottom, aft, length *✓* and water capacity in tons *✓*. Double bottom, forward, length *✓* and water capacity in tons *✓*.
Double bottom, under engines and boilers, length *✓* and water capacity in tons *✓*. If under engine only, or boilers only, state which *✓*.
Double bottom, constructed on the cellular system, length *312 feet* and water capacity in tons *530*.
Fore peak tank, water capacity in tons *✓*. After peak tank, water capacity in tons *✓*.
Midship deep tank, length *✓* and water capacity in tons *✓*. Other tanks, if fitted, length *✓* and water capacity in tons *✓*.
The above have *now* been tested as required by the Rules *✓*.
(If necessary, furnish further information by sketch.)
How are the surfaces preserved from oxidation? Inside *cemented and painted* Outside *Patent paint & other colors*

FREEBOARD assigned by the Committee, as per Secretary's Letter dated		In Summer	In Winter	For Winter in North Atlantic	Fresh Water above the centre of disc
		<i>ft.</i> <i>ins.</i>	<i>ft.</i> <i>ins.</i>	<i>ft.</i> <i>ins.</i>	<i>i.</i> <i>s.</i>
State if marked on Vessel's sides in accordance with Notice No. 572		To top of Wood, Iron or Steel Upper Deck.			

The amount of Entry Fee *£ 5 : 0 : 0* is received by me, *this office*
Special *£ 111 : 13 : 0* *13th May 1893*
Certificate *£ 100A1* steel
Travelling Expenses, if any *£ 100A1* steel
I am of opinion this Vessel should be Classed *100A1 steel*

Committee's Minute *FR! 20 MAY 1893*
Character assigned *100A1 steel*
2 LMC 5, 93
2 Steel Steel - UWS
3 4 13
White Ham
The Vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted that she is to be classed *100A1 (Steel)*, as recommended by the Committee.
100A1 (Steel)
2 Steel (UWS) 3 4 13
B = Cell DB (particulars above)
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