

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office

Date of completion of report July 6th 1901.

State of Report is also sent on the Machinery of the Vessel Yes

Port of SUNDERLAND

No.

20397

Survey held at SUNDERLAND

Date, First Survey Nov. 13th 1900Last Survey JULY 2nd 1901

On the STEEL SCREW STEAMER

"TONBRIDGE" (VARD N^o 132)

Rig Schooner

TONNAGE under Tonnage Deck 2695.13

THREE DECKED VESSEL.

CLASS + 100 A.I.

FEET.

Master CHAS. G. ZWEIFERT

Year of appointment

(1) As Master in service of owner of present vessel: 1901
(2) As Master of this vessel: 1901

Built at SUNDERLAND

When built 1901

Launched JUNE 3rd 1901

By whom built Messrs W. PICKERSGILL AND SONS

Owners THE AUSTIN FRANKS STEAM SHIPPING CO. LTD.

Managers GALBRAITH, PEMBRIDGE & CO.

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

Residence LONDON

Port belonging to LONDON

Do. between Tonnage Dk. and 3rd and 4th Dk. Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of Engine Room

Gross Tonnage 2899.57

Less Crew Space 113.33

Less above Crown of Room

FOR FEES.. 2765.63

One Room 927.86

Cabin Spaces 44.60

Net Tonnage 22.61

Net Tonnage 1813.78

Half Breadth (moulded) 23.416

Depth from upper part of Keel to top of Upper Deck Beams 25.04

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) 45.43

deduct 7 feet 7.00

1st Number 86.886

Length on deck from after part of stem to fore part of stern post 322.0

2nd Number 27977.29

Proportions—Breadth to Length 6.88

Depth to Length—Upper Deck to top of Keel 12.85

Main Deck ditto

Destined Voyage THE CAPE

Surveyed while Building Afloat, or in Dry Dock UNDER SPECIAL SUPER

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
322	0	Moulded	46	10	Do. do. do. do.	Main Dk. Beams	21	8	One
Length 324.0 breadth 47.1 depth 21.7 Moulded depth, ft. 24 ins. 1 To Upper Dk. Round of Upper Dk. Beam, Actual 11 1/2 ins.									

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship	Inches in Ship	Inches 20ths in Ship	Inches per Rule Or as Approved	Inches in Ship	Inches per Rule Or as Approved	Inches in Ship	Inches per Rule Or as Approved
Angles, or Bars for 3 length amidships	3 1/2	3 1/2	10	5 1/2	3 1/2	10	
or 1/2 at each end	5 1/2	3 1/2	9	5 1/2	3 1/2	9	
way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
at intermdt. Bkts.	3 1/2	3 1/2	8	5 1/2	3 1/2	8	
of Frames from moulding edge to		24		24			
ling edge, all fore and aft	6 1/2	3 1/2	10	6 1/2	3 1/2	10	
ISED FRAME, Angles		9		9			
FRAMING, depth of girder							
IS, depth and thickness of Floor Plate							
at mid-line for 3 length amidships							
in way of Engines and Boilers							
thickness at the ends of vessel							
depth at 3 the half breadth, as per Rule							
height extended at the Bilges							
RS & BRACKETS in Cell Dble Bottoms	40		7	40		7	
Distance apart		48		48			
RE GIRDER, in Double bottom, depth	40		10	40		10	
and thickness							
Angles, Top	4	4	9	4	4	9	
Bottom	6 1/2	4	9	6 1/2	4	9	
GIRDERS, number on each side & thickness	THREE	7	THREE	7			
Angles	3 1/2	3 1/2	7	3 1/2	3 1/2	7	
IN PLATE, depth (exclusive of flange)	32		10	32		9	
and thickness	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
Angles to Outside Plating							
R BOTTOM PLATING, breadth and	36		9	36		9	
thickness of Middle Line Strake							
in Engine and Boiler space			7/16			7/16	
Remainder in Holds			7/16			7/16	
IS, Upper Deck, Single Angle, Bulb	8 1/2	3	11	8 1/2	3	11	
Angle, Plate or Tee Bulb							
Angles on upper edge	4	4	8	4	4	8	
Average space			11			10	
IS, Middle Deck, Single Angle, Bulb							
Angle, Plate or Tee Bulb							
Angles on upper edge							
Average space							
IS, Lower Deck, Single Angle, Bulb							
Angle, Plate or Tee Bulb							
Angles on upper edge							
Average space							
IS, Hold, or Orlop, Plate or Tee Bulb	12		11	12		11	
Angles on upper edge	6	4	8	6	4	8	
Average space	12 1/2		6	12 1/2		6	
IS, Poop Deck, Angle, Bulb Angle, Plate	6 1/2	3	8	6 1/2	3	8	
Angles on upper edge	8 1/2	3	9	8 1/2	3	9	
Average space			24			24	
IS, Bridge Deck, Angle, Bulb Angle, Plate	6 1/2	3	8	6 1/2	3	8	
Angles on upper edge							
Average space			24			24	
IS, Forecastle Deck, Angle, Bulb Angle, Plate	9		8	9		8	
Angles on upper edge	3 1/2	3	7	3 1/2	3	7	
Average space			48			48	
IS, In Fore Deck, size and spacing	2 1/4	48	2 1/4	48			
Hold	4 1/2	48	4 1/2	48			
Quarter between Dks.	2 1/4	96	2 1/4	96			
in Hold	4 1/2	96	4 1/2	96			
WEB-FRAMES, In Fore Body, No. and spacing							
breadth & thickness							
No. of Side Stringers							
WEB-FRAMES, In E. & B. Space, No. & spacing	36		8	36		8	
breadth & thickness							
WEB-FRAMES, In After Body, No. and spacing							
breadth & thickness							
No. of Side Stringers							
Size of Angles or Tee Bars to Web-Frames	4	10	6 1/2	4	10		
BRACKET PLATES to Stringers between							
Web Frames, depth and thickness							

BULKHEADS.				STIFFENERS.			
In Vessel	Per Rule	Thickness	Horizontal	Vertical	Single or Double	Height up	
W. T. BULKHEADS	6	5	7-6	24	30	Double	Upper Dk.
PARTITION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length? JOGGED PLATING							
Are the Staircase and Watertight Doors in efficient working order? Yes							

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.				
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.				
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.			
FLAT PLATE KEEL.....	36	18	12	12	36	18	12	12	36	18	12	12	36	18	12	12			
GARBOARD OF A STRAKE.....	36	14	11	11	36	14	11	11	36	14	11	11	36	14	11	11			
State actual thickness in way of Double Bottom.	54	11	9	11	54	11	9	11	54	11	9	11	54	11	9	11			
B	54	12	10	14	54	12	10	14	54	12	10	14	54	12	10	14			
C	54	11	9	13	54	11	9	13	54	11	9	13	54	11	9	13			
D	44	13	10	14	44	13	10	14	44	13	10	14	44	13	10	14			
E	54	12	10	11	54	12	10	11	54	12	10	11	54	12	10	11			
F	48	13	10	10	48	13	10	10	48	13	10	10	48	13	10	10			
G	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	9			
H	54	11	9	9	54	11	9	9	54	11	9	9	54	11	9	9			
J	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	9			
K	54	13	9	9	54	13	9	9	54	13	9	9	54	13	9	9			
L	44	15	10	10	44	15	10	10	44	15	10	10	44	15	10	10			
M																			
N																			
O																			
P																			
Q																			
R																			
DOUBLING OF FLAT PLATE KEEL.....																			
Length and thickness of Strake below.	7				7				7				7						
POOP SIDES.....	8-9				8-9				8-9				8-9						
BRIDGE SIDES.....	7				7				7				7						
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. SIEMENS-MARTIN. STEEL PLATES:- South Duffway St. 1 C, Consert, Bolckow, Vaughan. IRON PLATES:- South Duffway St. 1 C. STEEL ANGLES:- Consert Iron Co., Palmers St. 1 C. Has the Steel been tested as required by the Rules? Yes.										Upper Deck (Butts, treble riveted for $\frac{3}{4}$ length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Middle Deck (Butts, treble riveted for $\frac{3}{4}$ length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers and Tie Plates treble or double riveted? Inner Bottom Plating, riveting of Edges permanently single Butts Centre Girder Butts, treble riveted Keelson Butts , single riveted. Frames, riveted through Plates with $\frac{3}{4}$ in. Rivets, about 7" and 6" apart. Rivets, state whether Iron or Steel Iron.									
FRAMES extend in one length from Centre Line to MARGIN PLATE AND THENCE TO GUNWALE REVERSED FRAMES on floors and frames extend from Centre Line to MARGIN PLATE AND THENCE TO UPPER DECK, EXCEPT IN WAY OF FORECASTLE, WHERE THEY ARE TO UPPER AND FORECASTLE DECKS ALTERNATELY.										MASTS, SPARS, &c. LOWER MASTS..... Fore STEEL 69-0 2 1/2 x 4 1/2 2 1/2 x 4 1/2 16 x 9 1/2 Two 1 1/2 1 1/2 Single Type F. Side Main Do. 69-6 2 1/2 x 4 1/2 2 1/2 x 4 1/2 16 x 9 1/2 Two 1 1/2 1 1/2 Single Type F. Side Mizen Do. 69-6 2 1/2 x 4 1/2 2 1/2 x 4 1/2 16 x 9 1/2 Two 1 1/2 1 1/2 Single Type F. Side Bowsprit MADE OF STEEL PLATES:- Consert Iron Co. Topmasts, Yards and Remainder of Spars of Pine Rigging, Material and Size, Shrouds Galvanized Steel Wire 3" Stays Steel Wire 3", BACKSTAYS 2" Sails, One Suit of Schooner Sails, and the following spare sails Do.									
EQUIPMENT No. 32083 LETTER W. ANCHORS. Mechanical Test of No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 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