BOX CASE 2103

1 ~~or 2~~ Decks. ~~IRON OR~~ STEEL STEAMER.

Received at London Office,

State if Report is also sent on the Machinery of the Vessel no

Date of completion of Report 4th December *Port of* Hamburg

No. 2103 *Survey held at* Kiel *Date, First Survey* 10th July 91 *Last Survey* 29th Nov. 1891

Steel S. S. Croatia *Rig* Schooner

Master J. Yelich

Year of appointment (1) *As master in service of owner of present vessel* 18 91 (2) *As master of this vesse'* 18 91

ONE ~~OR TWO~~ DECKED VESSEL.

CLASS 100 A1

	FEET.
Half Breadth (*moulded*)	12.50
Depth *from upper part of Keel to top of Main Deck Bms.*	13.17
Girth *of Half Midship Frame (as per Rule)*	22.50
1st Number	48.17
Length	168.00
2nd Number	8092
Proportions—*Breadths to Length*	6-7
Depths to Length—Main Deck to top of Keel	12.7

Destined Voyage Fiume

Built at Kiel

When built 1891 *Launched* 10th Oct. 91

By whom built Howaldtswerke

Owners Ungarisch-Croatische Seedampfsch. ~~Actien Gesellschaft~~

Managers M. Spalyngo M. Yelich

(*Name necessary to be entered in Reg. Book*). G. Capurdich

Residence Fiume

Port belonging to Fiume

If Surveyed while Building, Afloat, or in Dry Dock afl. o build.

Under Deck	354.89
ays	
	554.51
	28.27
	555.00
Engine Room	120.97
Less Navigation Spaces	
Register Tonnage *as cut on Beam*	405.26

LENGTH on Deck as per Rule	Feet. 168	Inches. 0	**BREADTH**— Moulded	Feet. 25	Inches. 0	**DEPTH**— Top of Floors to Main Deck Beams.	Feet. 12	Inches. 0½	Power of Engines	Horse. 130	No. of Decks with Flat laid one No. of Tiers of Beams one

Dimensions of Ship per Register, Length, 51.28 breadth, 7.62 depth, 3.24 met 10.6 Moulded Depth, ft. 12 ins. 7¾. Round of Beam 6¼ inches.

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, ~~Bar or~~ Side Plates depth and thickness	7 x 14/20	7 x 14/20
STEM, moulding and thickness	6½ x 1¾	6½ x 1¾
STERN-POST for Rudder do. do.	6½ x 3½	6½ x 3½
for Propeller	6½ x 3½	6½ x 3½
MAIN PIECE of **Rudder,** diameter at head	4½	4½
do. at heel	2¾	2¾
RUDDER, how constructed	forged in one piece	

Can the Rudder be unshipped afloat? yes

FRAMING.

	Inches in Ship.	Inches in Ship.	~~10ths or~~ 20ths in Ship.	Inches per Rule Or as	Inches per Rule as Approved	~~10ths or~~ 20ths per Rule ved.
FRAME, Angles, ~~or T Bars~~, for ⅘ length amidships	3	3	6	3	3	6
Do. for ⅕ at each end			5			5
Do. in way of Double Bottoms	3	3	6	3	3	6
Distance of Frames from moulding edge to moulding edge, all fore and aft	20 7/8			21		
REVERSED FRAME, Angles	2½	2½	5	2½	2½	5
FLOORS, depth and thickness of Floor Plate at mid-line for ⅗ length amidships	13½	6		13½	6	
,, in way of Engines and Boilers						
,, thickness at the ends of vessel			5		6¾	5
,, depth at ¾ the half breadth, as per Rule	8					
,, height extended at the Bilges	27			27		
~~FLOORS & BRACKETS~~, in Cell Dble Bottoms			6			6
,, ,, Distance apart	20 7/8			21		
CENTRE GIRDER, in Double Bottom, depth and thickness	39 7/8			39 7/8		
,, Angles, Top Bottom	3½	3½	7	3½	3½	7
SIDE GIRDERS, number and thickness	no.		6			6
,, Angles	3	2½	6	3	2½	6
MARGIN PLATE, depth (exclusive of flange) and thickness	18		6	18		6
,, Angles	3	3	7	3	3	7
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	42		7	42		7
,, ,, thickness in Engine and Boiler space			7			7
,, ,, ,, Remainder in Holds			6			6
BEAMS, Main ~~and Raised Quarter~~ Deck, Single Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	6	5	3	6
,, Angles on Upper Edge	20 7/8			21		
,, Average space						
BEAMS, Lower Deck, Single Angle, ~~Bulb~~ Angle, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Average space						
BEAMS, Hold, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Average space						
BEAMS, Poop Deck, Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	6	5	3	6
,, Angles on Upper Edge						
,, Average space	41 3/4			42		
BEAMS, Bridge Deck, Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	6	5	3	6
,, Angles on Upper Edge						
,, Average Space	41 3/4			42		
BEAMS, Forecastle Deck, Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5½	3	7	5½	3	7
,, Angles on Upper Edge						
,, Average space	41 3/4	6/20		42	6/20	
PILLARS, In 'tween Decks, Size and Spacing	3	[5/16 3¼	41 3/4	3	[5/16 3/4	41 3/4
,, ,, **Hold** ,, ,,						
WEB FRAMES, In Fore Body, No. and Spacing						
,, ,, ,, Brdth. & Thickness						
,, No. of Side Stringers ,, ,,						
WEB FRAMES, In After Body, No. and Spacing						
,, ,, ,, Brdth. & Thickness						
,, No. of Side Stringers ,, ,,						
,, Size of Angles or Tee Bars to **Web Frames**						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	~~16ths of~~ 20ths in Ship.	Inches per Rule Or as	Inches per Rule as Appro	~~16ths of~~ 20ths per Rule ved.
CENTRE LINE KEELSON, ~~Vertical Plate above floors~~, Through Plate, or ~~Intercostal Plate~~	24		8	24		8
,, Rider Plate						
,, Bulb Plate to Intercostal Keelson						
,, Horizontal Plates on Floors	10½		8	10½		8
,, Angles	3½	3	6	3½	3	6
SIDE KEELSON, Angles						
,, Bulb or Plate above floors for lng						
,, Intercostal Plate for length						
,, Attached to outside plating with Angle						
BILGE KEELSON, Angles	3½	3	6	3½	3	6
,, Bulb or Plate above floors for len.						
,, Intercostal Plate for 3/4 length			6			6
,, Attached to outside plating with Angle	3½	3	6	3½	3	6
BILGE STRINGER Angles	3½	3	6	3½	3	6
,, Bulb Plate for ~ length						
,, Intercostal Plate for ~ length						
,, Attached to outside plating with Angle						
SIDE STRINGER Angles	3½	3	6	3½	3	6
,, ~~Bulb or~~ Intercostal Plate for 3/5 lng.			6			6
Main and Raised Quarter Deck Stringer Plate, on ends of Beams, breadth & thknss	48		8	48		8
,, Angle on ditto	3 x 3		7	3 x 3		7
,, Tie Plates fore & aft, outside Hatchways						
,, Diagonal Tie Plates on Bms., No. of Pairs						
,, Flat of Dk* ~~Iron or~~ Steel for whole lng.			6			6
,, ,, Wood ~ Material & thickness						
,, How fastened to Beams						
Lower Deck Stringer Plate, on ends of Beams, breadth and thickness						
,, Angles on ditto, No.						
,, Tie Plates, outside Hatchways						
,, Flat of Deck* Material and thickness						
,, How fastened to Beams						
Hold Stringer Plate, on ends of Beams						
,, Angles on ditto, No.						
Poop Deck Stringer Plate, breadth & thickness	30		6	30		6
,, Angle on ditto	3 x 3		6	3 x 3		6
,, Tie Plates	8		5	8		5
,, Flat of Deck, Material and thickness	pitch pine 2¾			2¾		
Bridge Deck Stringer Plate, brdth & thickness	30		6	30		6
,, Angle on ditto	3 x 3		6	3 x 3		6
,, Tie Plates	8		5	8		5
,, Flat of Deck, Material and thickness	pitch p. 2¾			2¾		
Forecastle Deck Stringer Plate, brdth & thknss	30		6	30		6
,, Angle on ditto	3 x 3		6	3 x 3		6
,, Tie Plates	8		5	8		5
,, Flat of Deck, Material and thickness	pitch p. 2¾			2¾		

PLATING.

	Inches in Ship.	~~16ths or~~ 20ths in Ship.	Inches per Rule Or as	~~16ths or~~ 20ths per Rule. Approved.
FLAT PLATE KEEL, breadth and thickness				
,, d'bling or incr'sd thcknss, & lngth appl.				
PLATES in Garboard Strakes, brd'th & thickness	31	9	31	9
,, From Garboard to lower part of Bilges		7.8		7.8
State Thickness of Plating in way of Double Bottom.				
,, **Bilges,** number of Strakes and thickness	2	8	2	8
,, Of doubling at Bilge, or increased thickness, and length applied				
,, from up. part of Bilge to lr. edge of Sh'rstrake		7		7
,, **Sheerstrake,** breadth and thickness	33	11	33	11
,, Of d'blng at Sh'stk. & lng. applied	39	7 5	39	7 5
,, Poop Sides		~		
,, Raised Quarter Deck Sides		5		5
,, Bridge Sides		5		5
,, Forecastle Sides				
Lengths of Plating	14'			

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

State clearly where plating is of alternate thicknesses—as distinguished from diminished thickness at end of vessel.

Form No. 1 A.—2000—T. & S.—31-5-90.

Robert Edmund Taylor & Son, Printers, 19, Old Street, Goswell Road London.

011047-011056-0157 1/2

Ceiling betwixt Decks, thickness and material 2½ pine
" in hold do. 2½ 2¼ do. iron batt.

Number of Breasthooks 2
" Crutches 2

BULKHEADS. No. in Vessel 4 ✓ No. Reqd. by Rule 4 ✓

	Thickness.	Angles.	Spacing.	Height up.	Sngl. or Dbl. Frames.
W. T. Bulkheads	5/20 ✓	Vrtcl. 3 x 3 x 6/20; Hrzntl. do.	30 ✓; 48 ✓	collision bulkh. to forecastle, remainder to main-deck	double ✓
Partition		Vrtcl.; Hrzntl.			
Longitudinal		Vrtcl.			

Are the outside Plates doubled two spaces of Frames in length? yes ✓

The **FRAMES** extend in one length from keel to Poop, bridge, forecastle Riveted through Plates with 3/4 in. Rivets, about 5 ✓ apart
The **REVERSED ANGLE** on floors and frames extend ~~from~~ alternately to main deck & next stringer below ✓

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 1⅛ in. diameter, averaging 5½ ins. from centre to centre. ✓
Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre. ✓
Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for 1/2 lgth.; with rivets 3/4 in. dia., averaging 2⅝ ins. from cr. to cr. ✓
" " " " overlapped for — length, treble riveted for — length; with rivets — in. dia., averaging — ins. from cr. to cr.
Butts of two Strakes **at Bilge** for 1/2 length, treble riveted with Butt Straps 2/20 thicker than the plates they connect. ✓
Edges from Bilge to Sheerstrake, worked clencher, ~~double or~~ single riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre. ✓
Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for 1/2 lgth.; with rivets 3/4 in. dia, averaging 2⅝ ins. from cr. to cr. ✓
" " " " overlapped for — length, treble riveted for — length; with rivets — in. dia., averaging — ins. from cr. to cr.
Edges of Sheerstrake, double ~~or single~~ riveted. 7/8" 3½" ap. **Butts of Sheerstrake,** treble riveted for 1/2 length amidships. 7/8" rivets 3⅛ ✓
Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. ✓ **Single ~~or Double~~ Butt Straps to Stringer Plate** for — length. ✓
Butts of Inner Bottom Plating double riveted for E & B. length. ✓ **Butts of Centre Girder** treble riveted. double buttstr. ✓
Breadth of edge laps of Shell Plating in double riveting 4½" ✓ **Breadth of edge laps of Shell Plating** in single riveting 2½ ✓
Butt Straps of Shell Plating breadth and thickness 14¼, 16¾ 8.9.10 & 12/20 **Butts, if Lapped, breadth of laps** ✓
Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? 7/8" rivets treble ✓

State whether Rivets are of Iron or Steel. Steel

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.? Angles: Dorman Long & Co. Lim. / Plates: Bolckow, Vaughan & Co. Lim. } Siemens Martin Steel

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.

Lower Masts	Material.	Total Length.	At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles Number.	Angles Size.	Riveting Seams.	Riveting Butts.
Fore	steel	49'6	14"	11	11½	10	2	2	–	single	treble ✓
Main	do.	46	14"	11	11½	10	2	2	–	do.	do. ✓
Mizen											

Bowsprit —
Topmasts, Yards and Remainder of **Spars** pitch pine
Rigging, Material and Size, **Shrouds** steel **Stays** steel
Sails. compl. one set each Suit of Sails, and the following spare sails —

EQUIPMENT No. 8890 ✓ **LETTER** h ✓ **ANCHORS.**

Number of Certificate.		Weight, Ex. Stock Cwts.	qrs.	lbs.	Weight of Stock Cwts.	qrs.	lbs.	Test, per Certificate Tons.	cwts.	qrs.	lbs.	Weight Req. by Rule Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
30741	1st Bower	10	1	0	2	1	4	12	4	1	14	10	0	0	Trotmans	not ment.	Netherton 9th Sept 91
30742	2nd	10	0	4	2	1	26	12	2	0	21	10	0	0	do.		do.
30740	3rd	8	2	0	2	0	14	10	12	2	0	8½	0	0	Ordinary		assist Super. Geo Horspool
	Collective w'ight	28	3	4								28½	2	0			
30716	Stream	3	2	0	1	0	0	5	18	3	0	3¾	0	0	do.		Netherton 8th Sept 91
30711	Kedge	1	3	5		2	23	4	7	0	21	1¾	0	0	do.		do.
	2nd Kedge	3/4	–	–	–	–	–	–	–	–	–	3/4	0	0	do.		Geo Horspool

If Patent state Name of Patentee.

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	Weight of Chain Cable.	Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
12053	90	1⅛	34⅛	62.2.14	195 1⅛"	St. Link	not ment.	Tipton 25, 26 & 9 Sept. 91 Edstm R Scott
12054	90		22¾	61.3.7		do.	do.	
12290	15			10.1.4				
~~Iron Stream Chain~~ or Steel Wire / Towline* if steel wire	60	2¾	15½		60 x 2¾		Kabel fabrik Landsberg	

HAWSERS AND WARPS.

	Material.	Fathoms	Size.	Fathoms & Size. Per Rule.
Towline*		75	8	75, 8
Hawser		90	6	90, 6

Boats 2 Lifeboats 20', 1 boat 15' long
Pumps, Number 3 Diameter of Barrel and Tail Pipe 5" barrel 2½ tail
The Windlass is Emerson & Walker's direct steam Capstan —
Engine Room Skylights.—How constructed? of teak
What arrangements for deadlights in bad weather? yes
Coal Bunker Openings.—How constructed? trunk up to bridgedk. How are lids secured? well Height above deck? —
Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** 3 scuppers on each side
2 freeing ports on each side 30" x 18"
Cargo Hatchways.—How formed?— steel combings 2' above deck **Hatches,** if strong and efficient? yes
State size **No. 1 Hatch** (Forward) 13'6" x 8' — **No. 2 Hatch** 7' x 6'6" **No. 3 Hatch** **No. 4 Hatch** —
Number of **Web Plates, Shifting Beams,** and **Fore** and **Afters** to each Hatch one webpl. in forehatch, one fore & after in each hatch
Bulwarks, height above deck and description 4'6" of 5/20 steel Main Rail, material and size —

The above is a correct description. HOWALDTSWERKE
Builder's Signature, (here only.) Howaldtswerke ... Schwerdtfeger

Surveyor's Signature, Emil Taddiscat
Surveyor to Lloyd's Register of British and Foreign Shipping.

Form No. 1 A.

Order for Special Survey No.
Date
Order for Ordinary Survey No.
Date
No. 241 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
2nd. On the plating during the process of riveting — Built under special survey
3rd. When the beams were in and fastened, and before the decks were laid — from the 10th July 91 to the 29th Nov. 91
4th. When the ship was complete, and before the plating was finally coated or cemented
5th. After the ship was launched and equipped
Total No. of Visits

Reference should be made to any correspondence connected with the case.

State dates and initials of letters respecting this case 26th June, 8th July and 6th Nov. 91 M.

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

Material & workmanship of best description. The vessel has been built under special survey according to the rules and in conformity with the plans submitted & approved by the Committee. Material has been tested by Surveyors of this Society and the tests are in my hands.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45 ft., R.Q.D. or Break — ft., Bridge Dk. 38 ft., F'castle 41 ft.
(in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated
Poop is joined to the bridgedeck by the deck
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) one steel deck
Official No. ; Signal Letters

PARTICULARS OF WATER BALLAST.—
Double bottom, aft, length 36 and water capacity in tons 27. Double bottom, forward, length — and water capacity in tons
Double bottom, under engines and boilers, length 33 and water capacity in tons 44. If under Engines only, or Boilers only, state which E. B.
Double bottom, constructed on the cellular system, length 69 and water capacity in tons 71.
Fore peak tank, water capacity in tons 8. After peak tank, water capacity in tons 10.
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 & painted Outside Pat. paint & other colour

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated

In Summer	ft.	ins.	To top of Wood, Iron or Steel Upper Deck.
In Winter	ft.	ins.	
For Winter in North Atlantic	ft.	ins.	
Fresh Water above the centre of disc		ins.	

State if marked on Vessel's sides in accordance with Notice No. 572

The amount of Entry Fee £ 3 : 0 : 0 is received by me,
Special £ 27 : 15 : 0 9/12 1891
Certificate* £ yes
Travelling Expenses, if any £ 6 : 5 : 0 *Certificate to be sent to* Hamburg Surveyor off.
I am of opinion this Vessel should be Classed ✠ 100A1 steel

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

FRI 18 DEC 1891

The Surveyors are requested not to write on or below the space for Committee's Minute.

Committee's Minute
Character assigned 100A1 Steel
1Dk (Steel)

LaCP
+ LMC 11,91

Hull Certificate Written.

Write & Anchors

From further information received it is submitted that this vessel appears eligible to be Classed 100A1 'Steel' as recommended 1Dk. (Stl.)
W. B. = Pt. Cell. D.B & F.P.T. & A.P.T.
J.S.K. H.M.D.
16.12.91

© 2021 Lloyd's Register Foundation

011047-011056-0157 2/2