

1 or 2 Dks., R.O. Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

BOX CASE  
THUR, 21 APR 1898

No. 10503

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

Date of completion of Report 13th April 1898

Date, First Survey 19th May 1897

Port of WEST HARTLEPOOL

Last Survey 12th April 1898

Rig 2m. Fast Schooner

Master Hans Johnson

Year of appointment 1898

ONE OR TWO DECKED VESSEL.

CLASS 100A1 Steel.

FEET.

Half Breadth (moulded) 19.16

Depth from upper part of Keel to top of Main Deck Bms. 20.52

Girth of Half Midship Frame (as per Rule) 36.21

1st Number 75.89

Length on deck from after part of stem to fore part of stern post 263.5

2nd Number 19997

Proportions—Breadths to Length 6.87

Depths to Length—Main Deck to top of Keel 12.83

Destined Voyage

Surveyed while Building, Afloat, in Dry Dock. Fray's dock

Built at West Hartlepool

When built 1897-8 Launched 8th Jan 1898

By whom built W. Gray & Co. Ltd.

Owners R. C. Corfeyon

Managers R. C. Corfeyon

Residence Helmingborg

Port belonging to Helmingborg

(1) As master in service of owner of present vessel: 1898  
(2) As master of this vessel: 1898

Survey held at West Hartlepool

On Steel S.S. "Emanuel"

1296.75

of Forecastle 28.87

of Houses on Deck 51.51

of excess of Hatchways 32.07

above Crown of Engine Room 20.01

ross Tonnage 1649.21

ss Crew Space 21.17

ss above Crown of Engine Room 20.01

MANAGE FOR FEES 1578.03

ss Engine Room 22.75

ss Navigation Spaces 23.10

Register Tonnage 1047.19

as cut on Beam

LENGTH on Deck as per Rule 263 Feet. 6 Inches. BREADTH—Moulded 38 Feet. 4 Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 17 Feet. 6 Inches. No. of Decks with Flat laid one. No. of Tiers of Beams 18 deep fine

Dimensions of Ship per Register, Length, 265. breadth, 38.5 depth, 17.4. Moulded Depth, 19 ft. 8 1/2 ins. Round of Beam, Actual 9 1/2 ins.

## FRAMING.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
FRAME, Angles, 7 E or L Bars, for 1/2 length amidships in E. & B. Space: 13...	5 1/2	3	8	5 1/2	3	8
Do. for 1/2 at each end in holds: 13...	5 1/2	3	7	5 1/2	3	7
Do. in way of Double Bottoms at Solid Floors...	5 1/2	3	8	5 1/2	3	8
" " " at intermdt. Blts.	-	-	-	-	-	-
stance of Frames from moulding edge to moulding edge, all fore and aft	-	24	-	-	24	-
EVERSED FRAME, Angles in holds: 13...	5 1/2	3	8	5 1/2	3	8
DEEP FRAMING, depth of girder in holds: 13...	-	7 1/2	-	-	7 1/2	-
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	-	-	-	-	-	-
" " in way of Engines and Boilers	-	-	-	-	-	-
" " thickness at the ends of vessel	-	-	-	-	-	-
" " depth at 1/2 the half breadth, as per Rule	-	-	-	-	-	-
" " height extended at the Bilges	-	-	-	-	-	-
FLOORS & BRACKETS, in Cell Dble Bottoms	-	36	7	-	36	7
" " Distance apart	-	24	-	-	24	-
ENTRE GIRDER, in Double Bottom, depth and thickness	-	36	9.8	-	36	9.8
" " Angles, Top	4	4	9	4	4	9
" " " Bottom	5 1/2	4	9	5 1/2	4	9
DE GIRDERS, number on each side & thickness	one outside	7	one outside	7	-	-
" " Angles	3	3	7	3	3	7
MARGIN PLATE, depth (exclusive of flange) and thickness	-	22	8	-	22	8
" " Angles to Outside Plating	3 1/2	3 1/2	8	3 1/2	3 1/2	8
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	Iron 8-7	-	-	8-7	-	-
" " thickness in Engine and Boiler space	Temp 7/16	-	-	7/16	-	-
" " " Remainder in Holds	13/16	4/16	3/16	-	10-3/16	6/16
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	9.8	6 1/2	3	9.8
" " Angles on Upper Edge	-	-	-	-	-	-
" " Average space	-	24	-	-	24	-
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	-	-	-	-	-	-
" " Angles on Upper Edge	-	-	-	-	-	-
" " Average space	-	-	-	-	-	-
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	5 1/2	3	7	5 1/2	3	7
" " Angles on Upper Edge	-	-	-	-	-	-
" " Average Space	-	24	-	-	24	-
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7
" " Angles on Upper Edge	-	-	-	-	-	-
" " Average space	-	24	-	-	24	-
PILLARS, In 'tween Decks, Size and Spacing	2 1/2 x 4 1/2	48	-	2 1/2 x 4 1/2	48	-
" " " Hold	3 1/4 x 4 1/2	48	-	3 1/4 x 4 1/2	48	-
" " " Quarter 'tween Dks.	-	-	-	-	-	-
" " " in Hold	-	-	-	-	-	-
WEB FRAMES, In Fore Body, No. and Spacing	-	-	-	-	-	-
" " " Brdth. & Thickness	-	-	-	-	-	-
BEAMS, In E. & B. Space, No. & Spacing	One each side.	-	-	-	-	-
" " " Brdth. & Thickness	16	7	-	16	7	-
BEAMS, In After Body, No. and Spacing	-	-	-	-	-	-
" " " Brdth. & Thickness	-	-	-	-	-	-
" " " No. of Side Stringers	-	-	-	-	-	-
" " " Size of Angles or Tee Bars to Web Frames	-	-	-	-	-	-
SAFETY PLATES to Stringers between	-	-	-	-	-	-
Web Frames, Depth and Thickness	-	-	-	-	-	-

## FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	9 x 2 1/2	9 x 2 1/2
STEM, moulding and thickness	9 x 5 1/2	9 x 5 1/2
STERN-POST for Rudder do. do.	9 x 5 1/2	9 x 5 1/2
" " for Propeller	7 1/4	7 1/4
MAIN PIECE of Rudder, diameter at head...	3 1/2	3 1/2
do. at heel	-	-
RUDDER, how constructed Forged iron frame, plated	-	-
Can the Rudder be unshipped afloat?	Yes.	-
KEELSONS AND STRINGERS.	Inches in Ship.	Inches per Rule Or as Approved.
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 length	-	-
" " Intercoastal Plate for length	-	-
" " Attached to outside plating with Angle	-	-
BILGE KEELSON, Angles	-	-
" " Bulb or Plate above floors for length	-	-
" " Intercoastal Plate for length	-	-
" " Attached to outside plating with Angle	-	-
BILGE STRINGER Angles 3.7 in.	5 1/2	4 12-8 5 1/2 4 12-8
" " Bulb Plate for length	-	-
" " Intercoastal Plate for whole length	-	-
" " Attached to outside plating with Angle	3	3 7 3 3 7
SIDE STRINGER Angles 3.7 in.	5 1/2	4 12-8 5 1/2 4 12-8
" " Bulb or Intercoastal Plate for all length	-	-
" " Attached to outside plating with Angle	3	3 7 3 3 7

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	38	10	38	10
" " Angle on ditto. 2 in. 18 in.	3 1/2 x 3 1/2	10	3 1/2 x 3 1/2	10
" " Tie Plates fore & aft, outside Hatchways	Increased	2 1/2	-	-
" " Diagonal Tie Plates on Bms, No. of Pairs	-	-	-	-
" " Main Dk* Iron or Steel for whole length	-	9/16	-	9/16
" " R.O. Dk* Iron or Steel for length	-	-	-	-
" " Wood Deck, Material & thickness	-	-	-	-
Lower Deck Stringer Plate, breadth and thickness	-	-	-	-
" " Angles on ditto, No.	-	-	-	-
" " Tie Plates, outside Hatchways	-	-	-	-
" " Deck* Material and thickness	-	-	-	-
Hold Stringer Plate	-	-	-	-
" " Angles on ditto, No.	-	-	-	-
Poop Deck Stringer Plate, breadth & thickness	-	-	-	-
" " Angle on ditto	-	-	-	-
" " Tie Plates	-	-	-	-
" " Deck, Material and thickness	-	-	-	-
Bridge Deck Stringer Plate, brdth & thickness	Iron 5/16	Iron 5/16	-	-
" " Angle on ditto	3 1/2 x 3 1/2	7	3 1/2 x 3 1/2	7
" " Tie Plates	-	-	-	-
" " Deck, Material and thickness	Iron 5/16	Iron 5/16	-	-
Forecastle Deck Stringer Plate, brdth & thickness	Iron 5/16	Iron 5/16	-	-
" " Angle on ditto	3 x 3	7	3 x 3	7
" " Tie Plates	-	-	-	-
" " Deck, Material and thickness	Iron 5/16	Iron 5/16	-	-

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

## BULKHEADS.

	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.
W.T. BULKHEADS	4	4	6	2 1/2 x 3 1/2	48

## PARTITION

## LONGITUDINAL.

Are the outside Plates doubled two spaces of Frames in length? Diamond Liners

Are the Stairs and Watertight Doors in efficient working order? Yes

W 444-0108(112)



PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. RIVETING. MANUFACTURER'S NAME OR TRADE MARK OF THE IRON OR STEEL. LOWER MASTS. RIGGING. EQUIPMENT. CHAIN CABLES. HAWSERS AND WARPS. BOATS. PUMPS. WINDLASS. ENGINE ROOM SKYLIGHTS. COAL BUNKER OPENINGS. CEILING IN HOLDS. CARGO HATCHWAYS. STATE SIZE NO. 1 HATCH. NUMBER OF WEB PLATES. BULWARKS. THE ABOVE IS A CORRECT DESCRIPTION OF THE VESSEL.

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

1897. 10th May M. 1st June M. 16th Aug 1897. 1898. March 11. April 1.

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.

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? yes

State results of tests. good

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? yes

State results of tests. good

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

The workmanship is good and the vessel has been constructed in accordance with the approved plans, & in number, which together with the Report on the forgings, are attached hereto.

The fore Pean has been filled with water & height of load line and collision bulkhead found good. The tunnel has been tested by hose & found good.

Drawings.

Midship Section

Profile

Strengthening at Hatchways

Pumping Plan

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

Vessel placed in dry dock previous to completion, bottom cleaned & treated.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop. ft., R.Q.D. or Break. ft., Bridge Dk. 69 ft., F'castle 30 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

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).

1 Stk. (Iron) & deep framing.

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 or with girders on floors

Yes.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	82	170	Fore peak tank,		
Double bottom, under Engines and Boilers,	36	85	After peak tank,		41
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	106	220	(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. 1688

Date 3rd June 1897

No. 551 in builder's yard

DATES of Surveys held while building

1897. May 14. 25. 31. June 4. 24. 28. 30. July 13. 15. 19. 23. 27. Aug. 5. 11. 13. 16. 18. 19. 24. 30. Sept. 7. 9. 13. 14. 15. 16. 17. 18. 22. 24. 28. Oct. 1. 5. 6. 13. 18. 22. 25. Dec. 9. 16. 23. 1898. Jan. 5. 12. Mar. 2. 3. 14. 29. 30. 31. Apr. 1. 4. 12.

Total No. of Visits 52

The amount of Entry Fee. £ 4 : : Fees applied for, 19. 4. 18. 98

Special. £ 64 : 9 : Received by me, 19. 4. 18. 98

Certificate\* £ : : Travelling Expenses, if any £ : :

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed 100A1 Steel

Without Freeboard, as condition of Class

Chas. Forth. C. E. Burney

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

Committee's Minute

Character assigned

FRI. 22 APR 1898

100 M (steel)

1 Stk (Iron) & deep framing + L.M.C. 4. 98.

A.C.B.P.

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