

2 Decks.

IRON OR STEEL STEAMER.

Received at London Office

22 SEP 91

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

Date of completion of Report *19 Sep. 1891.*

Port of *West Hartlepool.*

Survey held at *West Hartlepool.*

Date, First Survey *27 April 1891.*

Last Survey *17 Sep.*

1891

the *Steel Screw Steamer "Rocotor"*

Schooner Rig *2 Masts.*

AGE under

age Deck... *1768.96*

Poop *72.14*

Raised Or. *119.88*

Bridge House *198.91*

Houses on Deck *4.49*

Excess of Hatchways *22.36*

Forecastle *38.84*

ve Crown of *16.14*

ne Room... *2357.46*

Tonnage *64.98*

ew Space *2256.47*

ore Crown of *752.46*

ne Room... *23.09*

GE FOR FIES.. *1510.92*

er Tonnage

on Beam...

TWO DECKED VESSEL.

CLASS *100 A1.*

FEET.

Half Breadth (moulded) *19.11*

Depth from upper part of Keel to top of Main Deck Bms. *21.57 1/2*

Girth of Half Midship Frame (as per Rule) *37.10 1/2*

1st Number *79.3*

Length *286.4*

2nd Number *22692*

Proportions—Breadths to Length *7.19*

Depths to Length—Main Deck to top of Keel. *13.34*

Destined Voyage *Line for Genoa.*

Master *J. J. Holman*

Year of appointment *1891*

Built at *West Hartlepool*

When built *1891.*

By whom built *H. Withy & Co.*

Owners *John Holman & Sons.*

Managers

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

Residence *50 Fine St. London.*

Port belonging to *London.*

and

Port belonging to *London.*

TH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat laid
er Rule	280	4	Moulded	39	10	Top of Floors to Main Deck Beams	18	3 1/2	Engines	200	One and with frames

Dimensions of Ship per Register, Length, *288.0* breadth, *40.0* depth, *18.35*. Moulded Depth, ft. *20* ins. *8*. Round of Beam *9 1/2* inches.

ORGINGS AND CASTINGS.

Bar or Side Plates depth and thickness

moulding and thickness

N-POST for Rudder do. do.

for Propeller

PIECE of Rudder, diameter at head

do. at heel

ER, how constructed

Rudder be unshipped afloat? *yes.*

FRAMING.

E, Angles, or 7 Bars, for length amidships

or 7 at each end

a way of Double Bottoms

e of Frames from moulding edge to

ling edge, all fore and aft

USED FRAME, Angles

US, depth and thickness of Floor Plate

at mid line for length amidships

a way of Engines and Boilers

ickness at the ends of vessel

length at 1/2 the half breadth, as per Rule

eight extended at the Bilges

S & BRACKETS, in Cell Double Bottoms

Distance apart

IE GIRDER, in Double Bottom, depth

and thickness

Angles, Top *4x4x7/10* Bottom

ORDERS, number and thickness

Angles

N PLATE, depth (exclusive of flange)

and thickness

Angles

BOTTOM PLATING, breadth and

thickness of Middle Line Strake

thickness in Engine and Boiler space

Remainder in Holds

Main and Raised Quarter Deck,

gle Angle, Bulb Angle, Plate or Tee Bulb

Angles on Upper Edge

Average space

Lower Deck, Single Angle, Bulb

Angle, Plate or Tee Bulb

Angles on Upper Edge

Average space

Hold, Plate or Tee Bulb

Angles on Upper Edge

Average space

Bridge Deck, Angle, Bulb Angle,

Plate or Tee Bulb

Angles on Upper Edge

Average space

Forecastle Deck, Angle, Bulb Angle,

Plate or Tee Bulb

Angles on Upper Edge

Average space

RS, in tween Decks, Size and Spacing

Hold

AMES, in Fore Body, No. and Spacing

Brth. & Thickness

No. of Side Stringers

AMES, in After Body, No. and Spacing

Brth. & Thickness

No. of Side Stringers

ize of Angles or Tee Bars to Web Frames

ET PLATES to Stringers between

Frames, Depth and Thickness

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above

decks, Through Plate, or Intercoastal Plate

Bulb Plate

Bulb Plate to Intercoastal Keelson

Horizontal Plates on Floors

Angles

SIDE KEELSON, Angles

Bulb or Plate above floors for

Intercoastal Plate for

Attached to outside plating with Angle

BILGE KEELSON, Angles

Bulb or Plate above floors for

Intercoastal Plate for

Attached to outside plating with Angle

BILGE STRINGER Angles

Bulb Plate for

Intercoastal Plate for

Attached to outside plating with Angle

SIDE STRINGER Angles

Bulb or Intercoastal Plate for

Main and Raised Quarter Deck Stringer

Plate, on ends of Beams, breadth & thkness

Angle on ditto

Tie Plates fore & aft, outside Hatchways

Diagonal Tie Plates on Bms., No. of Pairs

Flat of Dk* Iron or Steel for

Wood

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

Angle on ditto

Tie Plates

Flat of Deck, Material and thickness

Bridge Deck Stringer Plate, brdth & thickness

Angle on ditto

Tie Plates

Flat of Deck, Material and thickness

Forecastle Deck Stringer Plate, brdth & thcknss

Angle on ditto

Tie Plates

Flat of Deck, Material and thickness

PLATING.

FLAT PLATE KEEL, breadth and thickness

d'bling or incr'sd thcknss, & lngth appl.

PLATES in Garboard Strakes, brd'th & thickness

From Garboard to lower part of Bilges

State Thickness of Plating in way of Double Bottom

Bilges, number of Strakes and thickness

Of doubling at Bilge, or increased thickness,

and length applied

from up. part of Bilge to lr. edge of Sh'rstrake

Sheerstrake, breadth and thickness

Of d'bling at Sh'stk & lng. applied

Poop Sides

Raised Quarter Deck Sides

Bridge Sides

Forecastle Sides

Lengths of Plating *24 feet and 14 feet*

BULKHEADS. No. in Vessel 5. No. Regd. by Rule 5.

Ceiling betwixt Decks, thickness and material *2 1/2 in. Iron*

in hold do. do. *2 1/2 in. Iron*

Number of Breasthooks *9*

Crutches *4*

Are the outside Plates doubled two spaces of Frames in length? *Yes*

The FRAMES extend in one length from *centre line* to *each side*. Riveted through Plates with *3/8* in. Rivets, about *7* apart

The REVERSED ANGLE on floors and frames extend from *each side to height of Upper Lower Deck alternately. And the 2nd frame to Raised Quarter Deck and Bridge Deck.*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to *Keel* of Flat Plate Keel, with rivets *1* in. diameter, averaging *4* 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 *1/2* length; with rivets *7/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Butts of all Strakes of Bilge for *1/2* length, treble riveted with Butt Straps *3/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Edges from Bilge to Sheerstrake, worked clench, double or single riveted; with rivets *7/8* in. dia., averaging *3 1/2* ins. from centre to centre.

Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for *1/2* length; with rivets *7/8* in. dia., averaging *3 1/2* ins. from cr. to cr.

Edges of Sheerstrake, double or single riveted. Butts of Sheerstrake, treble riveted for *1/2* length amidships.

Butts of Main Stringer Plate, treble riveted for *1/2* length amidships. Single or Double Butt Straps to Stringer Plate for *1/2* length.

Butts of Inner Bottom Plating double riveted for *1/2* length. Butts of Centre Girders treble riveted.

Breadth of edge laps of Shell Plating in double riveting *6 1/2 in. 4 1/2 in.* Breadth of edge laps of Shell Plating in single riveting *9 1/2 in.*

Butt Straps of Shell Plating breadth and thickness *10 1/2 in. 1 1/4 in.* Butts, if Lapped, breadth of laps *9 1/2 in.*

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. *Steel from - Sarnan Long & Co. Ltd. Hull. Steel from - West Works, near & Consett, Co. Durham. South Steel and West Steel, Iron.*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed, where practicable.*

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 generally.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? *Yes.* Do any rivets break into or through the seams or butts of the plating? *Yes. Affected.*

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

MASTS, SPARS, &c.

No.	Material	Total Length	DIAMETER AND THICKNESS		No. of Plates in round	ANGLES	RIVETING
			At Partners	Heel			
Fore	Iron	58' 9"	22 x 9/16	19 x 9/16	17 x 9/16	16 x 9/16	Double ribs & bands
Lower Masts	Main	59' 6"	21 x 9/16	18 x 9/16	15 x 9/16	14 x 9/16	Do
Mizon	Do	Do	Do	Do	Do	Do	Do

Bowsprit *Do*

Topmasts, Yards and Remainder of Spars *Do*

Rigging, Material and Size, Shrouds *3/4* Stays *4/4*

Sails *One Complete* Suit of Sails, and the following spars &c.

EQUIPMENT No. 25289. LETTER S. ANCHORS.

Number of Certificate	Weight, Ex. Stock	Weight of Stock	Test, per Certificate	WEIGHT REQ. BY RULE		Description of Anchor	Makers	Where and when tested and Superintendent
				Tons, lbs.	qrs.			
22067	1st Bower	40 0 0	✓	36 15 0	40 0 0	Swivel Hooked	James Watson & Co. 1891	South Dock
22069	2nd "	40 0 6	✓	35 16 3	40 0 0	Do	Do	Do
22068	3rd "	35 1 1	✓	32 13 0	34 0 0	Do	Do	Do
22068	Collective light	115	✓	115 0 0	115 0 0	Do	Do	Do
13079	Stream	12 3 3	✓	12 10 3	10 0 0	Do	Do	Do
13078	Kedge	25 1 10	✓	25 14 0	25 1 0	Do	Do	Do
13077	2nd Kedge	22 19	✓	22 5 0	22 0 0	Do	Do	Do

CHAIN CABLES.

Number of Certificate	Fathoms	Size	Test, per Certificate	Weight of Chain Cable	Fathoms & Size	Description	Makers of Cable	Where and when tested, and Superintendent	Material	Fathoms	Size	Fathoms & Size
12152	135 4	1 1/2	✓	231 0 0	270 1 1/2	Standard Link	Do	Do	Do	90	2 1/2	90 7 1/2
12151	135 4	1 1/2	✓	230 2 1/2	270 1 1/2	Do	Do	Do	Do	90	2 1/2	90 7 1/2
12151	135 4	1 1/2	✓	230 2 1/2	270 1 1/2	Do	Do	Do	Do	90	2 1/2	90 7 1/2

HAWSERS AND WARPS.

Number of Certificate	Fathoms	Size	Test, per Certificate	Weight of Chain Cable	Fathoms & Size	Description	Makers of Cable	Where and when tested, and Superintendent	Material	Fathoms	Size	Fathoms & Size
12152	135 4	1 1/2	✓	231 0 0	270 1 1/2	Standard Link	Do	Do	Do	90	2 1/2	90 7 1/2
12151	135 4	1 1/2	✓	230 2 1/2	270 1 1/2	Do	Do	Do	Do	90	2 1/2	90 7 1/2
12151	135 4	1 1/2	✓	230 2 1/2	270 1 1/2	Do	Do	Do	Do	90	2 1/2	90 7 1/2

Boats *4*

Pumps, Number *4*

The Windlass is *Iron*

Engine Room Skylights—How constructed? *of steel & iron*

What arrangements for deadlights in bad weather? *Steel shutters fitted with bulls' eyes.*

Coal Bunker Openings—How constructed? *of iron* How are lids secured? *2 1/2 in. bolts* Height above deck? *11' 4 1/4"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Forward, one port 30 x 24, one 24 x 20, and aft, 3 ports each 22 x 15 on each side. — One Scupper on each side.*

Cargo Hatchways—How formed? *of iron plates & angled* Hatches, if strong and efficient? *Yes. 3' high*

State size No. 1 Hatch (Forward) *15' 11" x 13' 10" 4'* No. 2 Hatch *13' 11" x 13' 10" 4'* No. 3 Hatch *13' 11" x 13' 10" 4'* No. 4 Hatch *13' 11" x 13' 10" 4'*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *One web in No. 2 & 3 & 4 hatches, and three fore & afters in each hatchway.*

Bulwarks, height above deck and description *57' high. 7 1/2 x 7 1/2 in. Main Rail, material and size 6 x 3 1/2 in. bulb & iron.*

The above is a correct description.

Builder's Signature, (here only.) *W. H. H. Co.* Surveyor's Signature, *Thos Phillips*

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

Order for Special Survey No. *1490*

Date *10 March 1891*

Order for Ordinary Survey No. *✓*

Date *✓*

No. *185* in builder's yard

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

3rd. When the beams were in and fastened, and before the decks were laid

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 *58*

State dates and initials of letters respecting this case *7 Mar. 15 July 17 Sep. 1891 (M), and 8 Sep. 91 (E)*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the Rules, and the approved tracings now in the London Office.*

The whole of the materials used in the hull have been tested as prescribed by the Rules & found satisfactory.

The workmanship throughout the vessel is of good quality.

It is understood, that, the pillar under the hold beam in the Engine & Boiler space has been fitted in the River Line.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *18' 10"*, R.Q.D. or Break *52' 0"*, Bridge Dk. *122* ft., F' castle *31* 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 *Bridge and Raised Quarter Deck joined, and Bulk Poop abait R.Q.D.*

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) *12th. Iron Steel & web frames.*

Official No. *98983*; Signal Letters *MH KD*

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 Engines only, or Boilers only, state which *✓*

Double bottom, constructed on the cellular system, length *244 ft.* and water capacity in tons *474*

Fore peak tank, water capacity in tons *✓* After peak tank, water capacity in tons *35*

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 *by Portland Cement & paint* Outside *by paint*

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated *4 Sep. 1891.*

In Summer *1* ft. *10 1/2* ins.

In Winter *2* ft. *2* ins.

For Winter in North Atlantic *2* ft. *6* ins.

Fresh Water above the centre of disc *4 1/2* ins.

To top of Wood, Iron or Steel Upper Deck. *Statutory deck line.*

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

The amount of Entry Fee *£ 5* is received by me, *Thos Phillips*

Special *£ 82* Certificate *£ 6*

Travelling Expenses, if any *£ 100A1 "Steel"*

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

Committee's Minute *TUES. 29 SEP 1891*

Character assigned *100A1 Steel*

15k (pt. Iron & pt. Steel) & Web frames

La rcp

+ 2 m c g. 91

Well deck

note record of Bkhs -

7 K

Thos Phillips

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