

IRON SHIPS.

London

Date June 19th

18 64

Room 117

MS Samuel Duke

Room 117

Register 477 59

Built at *Padre*

Charles Dingley

Owners Gen. J. S. Col. Co.

Destined Voyage Gottenburg

While Building and afloat

th....	Feet.	Inches.	Depth from top of Upper Deck } Beam to top of Floor.....	Feet.	Inches.	Power of Engines....	Horse No.
28.	4			15	3		

Inches in Ship.			Inches required per Rule.			Inches. In Ship.	10ths. In Ship	Inches. required per Rule.	16ths required per Rule.
18			18						
Inches. In Ship.	Inches. In Ship.	16ths In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths required per Rule.				
4	3	7/16	5 3/4	2 3/4	7/16	Stem, if bar iron, moulding and thickness	7/4	2 1/4	6 3/4 2 1/2
"	1/2		15	7/16		" if plate iron, breadth and thickness			
"	1/2			7/16		Stern-post, if bar iron, moulding and thickness	9	4 1/2	6 3/4 5
3	3	3/8	3	2 1/2	6/16	" " if plate iron, breadth and thickness			
4	3	7/16	5 3/4	2 3/4	7/16	Keel, if bar iron, depth and thickness.....	7/4	2 1/4	6 3/4 2 1/2
3	3	3/8	3	2 1/2	6/16	" if plate iron, breadth and thickness			
7	7/16		7	7/16		Garboard Plates, thickness..	Description of Iron.		
7	7/16		7	7/16		From Garboard to upper part of Bilge.....}	9/16		9/16
3	2 1/2	6/16	3	2 1/2	6/16	From upper part of Bilge to Sheerstrakes.....}	8/16		8/16
3ft			3ft			Sheerstrakes	7/16		7/16
						Breadth & thickness of Butt Straps to outside plating }	8/16		8/16
						Plank sheers	Material.		
						Gunwale Plate or Stringer on ends of Up. Dk Beams }	36 x 1/2	21	7/16
						Angle Iron on ditto.....	5 x 4 x 7/16	4 1/4	x 3 1/4
						Waterway			
						Deck.....	Yellow Pine 3 1/2		3 1/2
						Ceiling in Hold	Am ² Elm 2 1/2		
						Ceiling between Decks			
						Beam Clamps			
						" Shelf			
						" Stringer Plates on ends of Hold or Lower Dk Beams }	21	1/2	21 7/16
						Ceiling between Decks			
						Stringer or Tie Plates outside Hatchways}	18	1/2	10 1/2 7/16
						Deck Beam Clamps			
						" " Shelf			
						Stringers in Hold	Double angle iron 4 1/2 x 3 1/2 x 7/8	4 1/4	x 3 1/4
						Deck, Lower			
						Deck, Upper, how fastened to Beams	With nuts & screws		

, material Iron or, if none, in what manner compensated for.

heads .. 2 Oak)

timbers,, Re. Oak

are they free from defects?

Bulkheads, N^o. 44

Thickness of 3/8

how secured to the sides of the ship With double frames

size of vertical angle iron and their distance apart $\frac{3 \times 2 \frac{1}{2} \times 3}{2}$

tees or Ribs extend in one length from Keel to sternale rivetted through plates with ($\frac{3}{4}$ in.) rivets, about (6) apart.

These angle irons on the floors extend in one length across the middle line from Above Ridge to above Ridge

“ ” on the frames “ ” “ ” from Upper deck to Upper deck

How are the various lengths of plates or angle irons connected? Shifting

board, double ~~or single~~ rivetted to keel & at upper edge, with rivets (1 1/2 in.) diameter averaging (4 in.) from centre to centre of rivet.

Plates from Garboards to upper part of bilge, worked ~~carvel with a lining piece ($\frac{1}{4}$ in.) thick, or~~ clenchler, ~~double or single rivetted ; rivets ($\frac{3}{4}$ in.)~~
diameter, averaging ($\frac{1}{2}$ in.) from centre to centre of rivets.

Its from Keel to turn of bilge, worked carvel with a lining piece ($\frac{9}{16}$) thick, double ~~or~~ single rivetted; rivets ($\frac{1}{4}$ in.) diameter.

Averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

Plating from bilge to planksheer, worked ~~carvel with a lining piece~~ () thick, double or single rivetted; rivets ($\frac{3}{4}$ in.) diameter, averaging

3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

Plating from bilge to planksheers, worked carvel with a lining piece () thick, or clencher, double ~~or single~~ rivetted; rivets ($\frac{3}{4}$ in.) diameter

averaging (3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4) Breadth of laps in single rivetting (2½)

how secured to the plating of the sides { Explain by sketch, } Bolted to strainer and plating

“ ” planksheer and to the Beams (if necessary.)

g. ✓ breadth and thickness of plates → how secured? ✓

ag " " " " 18 x 1/2 " " ? 11 Walled to angle iron on beams

3, now secured to the side. Welded holes riveted to 11 lbs

Box Deck 12 12 12 12 12 12

ver Deck " _____

thooks H crutches H how are pointers compensated? With plates and pins

tion of iron is used for the angle iron and plate iron in the vessel? Builder's Signature

16. Stenotaphrum

...the sufficient

180N437A-0093

—

3668 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets, and at least three times the diameter of the rivets where single rivetting is admitted? Do the edges of the carvel work and of the butts lay close together throughout their length without requiring caulking? Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various sizes? Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Are the rivets well and sufficiently countersunk in the outer plate? Yes
Are there any rivets which either break into or have been put through the seams or butts of the plating?

Her Masts, Yards, &c., are in good condition, and sufficient in size and length.
She has **SAILS.** **CABLES, &c.**

No.			Fathoms.	Inches.
	Fore Sails,	Chain to a strain of 34 lbs.	240	1 3/8
	Fore Top Sails,	Hempen Stream Cable	90	8 1/2
	Fore Topmast Stay Sails,	Hawser	90	6 1/2
	Main Sails,	Towlines	90	5
	Main Top Sails,	Warp		
	and other requisite sails	All of <u>good</u> quality.		

Her Standing and Running Rigging are sufficient in size and good

She has one Long Boat and one other

The present state of the Windlass is good Capstan good and Rudder good Pumps good

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally.

DATES of Surveys held while building, as per Section 17. { 1st. On the several parts of the frame, when in place, and before the plating was wrought At various times
2nd. On the plating during the progress of rivetting building under special
3rd. When the beams were in and fastened, and before the decks were laid 20th October 1863 to Dec
4th. When the ship was complete, and before the plating was finally coated
5th. After the ship was launched

This vessel is a sister ship to the S.S. "Blonde" No of report 3471

In addition to the keelsons mentioned on the other side there is an intercostal keelson each side with angle iron 4 1/2 x 3 1/2 x 7/16

In what manner are the surfaces preserved from oxidation? With Red lead and linseed oil paint

I am of opinion this Vessel should be classed CA1

The amount of the Fee£ 5: - is received by me, John Maxwell

Special£ 20: 15: -

Certificate (if required)£ : -

Committee's Minute 5th July 1864

Character assigned 7 Aug 1864

1 for 15 Years
ML



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