

IRON OR STEEL SHIP.

(Received at London Office, 1890)

No. 108

Survey held at

Date of writing Report

Port of

Middleborough

Date, First Survey

Nov. 18th 89

Last Survey

June 20th 1890

1890

On the *Steel Screw Steamer*

DOLORES

Rig *Schooner 2 Masts.*

Master

Wood

Tonnage under Tonnage Deck	1641.47
Do. between Tonnage Dk. and 3rd, 4th, Spar or Awaiting Dk.	8.42
Total under Upper Dk.	
Do. of Poop	65.78
Do. of Raised Or. Dk.	90.51
Do. of Bridge House	307.49
Do. of Houses on Deck	6.00
Do. of excess of Hatchways	22.50
Do. of Forecastle	45.90
Gross Tonnage	2188.07
Less Crew Space	66.04
Less 16.69	82.73
Less Engine Room	700.18
Register Tonnage as out on Beam	1405.16

Half Breadth (moulded)	19.42
Depth from upper part of Keel to top of Upper Deck Beams	22.08
Girth of Half Midship Frame (as per Rule)	37.87
1st Number	79.37
1st Number, if a 3-Decked Vessel .. deduct 7 feet	
Length	275.5
2nd Number	21866
Proportions— Breadths to Length	7.09
Depths to Length— Upper Deck to Keel	12.47
Main Deck ditto	

Built at	Middleborough
When built	1889.90
Launched	Apr. 19 th 90
By whom built	Raylton Disen Co
Owners	W. D. D. & Co
Managers	Buenos Ayres E. Southern
Residence	London
Port belonging to	London
Destined Voyage	River Plate
Surveyed while Building	Afloat, or in Dry Dock.

LENGTH	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams																																																																																																																																																																																				
on deck as per Rule	275	6	Moulded	38	10	top of Floors to Upper Deck Beams	20	1	200	200	1	1																																																																																																																																																																																				
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STEM, moulding and thickness	10 x 2 3/4	10 x 2 3/4	STERN-POST for Rudder do. do.	10 x 6	10 x 6	" " for Propeller	24	24	Distance of Frames from moulding edge to moulding edge, all fore and aft	(Class 100 A)		FRAMES, Angle Iron, for 1/2 length amidships	5 3 8	5 3 8	Do. for 1/2 at each end	5 3 7	5 3 7	REVERSED FRAMES, Angle Iron	3 1/2 3 8	3 1/2 3 8	FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	24	10	" thickness at the ends of vessel	18	8	" depth at 3/4 the half-bdth. as per Rule	12	8	" height extended at the Bilges	as per plans		BEAMS, Upper, Spar, or Awaiting Deck	6 1/2 3 9	6 1/2 3 9	Single or double Ang. Iron, Plate or Tee Bulb Iron			Single or double Angle Iron on Upper edge			Average space	24	24	BEAMS, Main, or Middle Deck			Single or double Ang. Iron, Plate or Tee Bulb Iron			Single, or double Angle Iron, on Upper Edge			Average space			BEAMS, Lower Deck			Single or double Ang. 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Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *Good*
Are the fillings between the ribs and plates solid single pieces? *Good* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Good* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Good* Do any rivets break into or through the seams or butts of the plating? *a few*

Masts, Bowsprit, Yards, &c., are *Iron & Pine* in *Good* condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stumped with Maker's name.
State also Length and Diameter of Lower Masts and Bowsprit

*The Mast 77' 6" x 23" diam? 6" plates Made in 2 parts in the round, seams
Main 71' 6" x 20" " " single rivetted, butts 30lb rivetted. plates tested*

Number for Equip- ment		CABLES, &c.			Test per Certificate.	Fathoms & Inches per Rule.	Machine where Tested and Superintendent, also Name of Chain Maker.	ANCHORS.		Weight. Ex. Stock.	Test per Certificate	W'ght req'd per Rule.	Machine where Tested and Superintendent, also Name of Anchor Maker.
Letter for do.		Number of Certificate.	Fathoms.	Inches.	Tons.			Number of Certificate (State if any and which Anchors are Stockless.)					
S		8293	270	1 1/2	57 1/2	270 x 1 1/2	Riv. Near Com'n	27023	40.0.20	35.18.3.0	32	cub	
N. SAILS.		S. Harshorne & Co. Makers						27967	39.2.0	35.8.3.0			Netherton
Fore Sails,		Calip correct.						27982	35.2.7	32.16.3.16			D. G. Lewis
Fore Top Sails,								Harkness Stockless	coll	91.1.0			Supt.
Fore Topmast Stay Sails,		Iron Stream Chain or Steel Wire ..	75 1/2	18	22 3/4	75.18	do	do	Harkness	25 1/2	22.3.7		
Main Sails,		Hempen Steel Cable	90	4	33	90.4	Test	Collective Weights	115.0.27	114.0.7			
Main Top Sails, and quality		TOWLINE— Hempen or Steel Wire.	90	3	18	90.9 1/2	Certificates	Stream	10.2.0	12.8.3.0	10.2.0		Riv. Near Com'n
Good		Hawser	2	90	24 1/2	9 1/2	90.7 1/2	Produced	Kedge	5.2.14	7.18.1.21	5.1.0	J. Harkness
		Warp.....	2	90	5 1/2			2nd Kedge....	2.3.0	5.5.0.0	2.2.0		Supt.

Standing and Running Rigging *Riv. Hemp* sufficient in size and *Good* in quality. She has *2* Life Boat and *20* others

The Windlass is *Iron, Steam* Capstan *✓* and Rudder *Iron* Pumps *Good*

Engine Room Skylights. How constructed? *Plate coming stop* How secured in ordinary weather? *Plate flaps & other*

What arrangements for deadlights in bad weather? *Swindglass lights*

Coal Bunker Openings. How constructed? *Plate coming stop* How are lids secured? *Clats & battens* Height above deck? *18" & 33"*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *In well 2 spots each side 30" x 27" 15" up*
2 scuppers. Aft 4 ports 30 x 15 13 scuppers each side.

Cargo Hatchways. How formed? *Plate coming stop* Hatches, If strong and efficient? *Yes, 3' solid pin*

State size *Main Hatch 15' 9" x 12' 0". No 2. 24' x 14' 1/2". No 3. 5' 6" x 8' 10". No 4. 21' 10" x 14' 0". No 5. 17' 9" x 14' 0"*

If of extraordinary size, state how framed and secured... *No 1. beam 3 feet taper. Nos 2 & 4 2 ribs, 3 feet taper. No 3. 1 foot taper. No 5. 1 foot 3 feet taper.*
What arrangement for shifting beams?

Order for Special Survey No. *1404*
Date *Oct 25th 89*
Order for Ordinary Survey No. *✓*
Date *✓*
No. *317* in builder's yard.
State dates of letters respecting this case *Oct. 24th Dec 6th 12th 21st M. Jan 27th Feb 4th 90. P*
1890
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 }
Built under Special Survey
1st visit Nov 18th 89.
last - June 26th 90
Total No. of Visits *40*

General Remarks (State quality of workmanship, &c.) *Built in accordance with the approved plans & the rules for steel vessels. Workmanship & materials good. Steel tested as per rule.*

The freeboard has been marked on the vessel's sides in accordance with the Sur's Ltr of June 26th 90 M. as follows. Summer 1.8 1/2 Winter 2.0 Allowance for Fresh Water 4 1/2". The freeboard was recorded in the Register Book.

Raylen W. Jones

How are the surfaces preserved from oxidation? Inside *Black enamel Cem'd Paint above* Outside *Paint*

Particulars for Record in R.B.—Length of Poop *27* ft., R.Q.D. *66* ft., Bridge Dk., *126* ft., F'castle *34* ft.; No. of Dks. (excluding spar, awn, &c.) *1*

Material of dks. *Iron* spar, awn, dk., &c. *✓* Material of spar, awn, dk., &c. *✓*; No. of tiers of beams (with and without dks. laid) *1/2*

Official No. *98116*; Signal Letters *✓* If double bottom, state particulars on separate form.

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

The amount of the Entry Fee *£ 5* is received by me, *R.H.P.*

Special *£ 48* Certificate *✓*

(to be sent as per margin) Travelling Expenses, if any, *£*

Committee's Minute

Character assigned *100 A1 Steel A.R.C.P.*

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