

IRON SHIPS.

No. 6208 Survey held at Port Glasgow Date, First Survey 26th April Last Survey 18th Nov 1872 Recd 18/11/72

On the Screw Steamer "Burruss Abbey" Master Edw. Mustkar

Tonnage under Deck	144.09	ONE, OR TWO DECKED, SPAR, OR AWNING DECKED VESSELS.	THREE DECKED VESSELS.	Built at <u>Port Glasgow</u>
of Third Spar, Awning Deck.		Half moulded breadth	Half Moulded Breadth	When built <u>1872</u> Launched <u>October/72</u>
of <u>Beam</u> , or raised Qr. Dk.	<u>20.62</u>	Depth from upper part of Keel to top of Upper Deck Beams	Total Depth if three or more Decks	By whom built <u>Messrs Macfarlane & Co</u>
of Houses on Deck	<u>13.03</u>	Girth of Half Midship Frame (as per Rule)	Total Girth of Half Midship Frame	Owners <u>Messrs Murray & Co</u>
to of Forecastle		1st Number	3rd Number	Port belonging to <u>Barron</u>
ess Tonnage	<u>144.74</u>	Length	Length	Destined Voyage <u>Coasting</u>
ew Space, per Rule	<u>10.18</u>	2nd Number	4th Number	<input checked="" type="checkbox"/> Surveyed while Building <input type="checkbox"/> Afloat, <input type="checkbox"/> or in Dry Dock.
ter Tonnage, on Beam	<u>72.08</u>	Depths to Length. <u>12.92</u>	Breadths to Length	
egular Beam				
gular Tonnage, as a Steamer cut on Beam	<u>95.48</u>			

Length on deck as per Rule, 128 Feet. Inches. Moulded Breadth, 19 Feet. Inches. Depths from top of Floors to Upper and Main Deck Beams, as per Rule 9 Feet. Inches. Horse. Power of Engines, 30 No. of Decks with flat laid One No. of Tiers of Beams One

Dimensions of Ship per Register, length, 130 breadth, 19.1 depth, 8.65 Effective 130

	Inches in Ship.			Inches required per Rule.			Flat Keel Plates, breadth and thickness	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	16ths. required per Rule.
	Inches. In Ship.	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths. required per Rule.					
Keel, if bar iron, depth and thickness	<u>6</u>	<u>1 1/2</u>		<u>6 1/4</u>	<u>1 1/2</u>						
Do. if centre through plate, depth and thickness	<u>6</u>	<u>1 1/4</u>		<u>6</u>	<u>1 1/2</u>						
Stem, if bar iron, moulding and thickness	<u>6</u>	<u>1 1/4</u>		<u>6</u>	<u>1 1/2</u>						
Stern-post for Rudder do. do.	<u>6</u>	<u>2 1/2</u>		<u>6</u>	<u>2 1/2</u>						
Stern-post for Propeller	<u>6</u>	<u>2 1/2</u>		<u>6</u>	<u>2 1/2</u>						
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>21</u>			<u>21</u>							
Frames, size of Angle Iron, for 3/4 length amidships	<u>2 1/2</u>	<u>2 1/2</u>	<u>5</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>5</u>					
Do. for 1/2 at each end	<u>2 1/2</u>	<u>2 1/2</u>	<u>4</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>4</u>					
Reversed Frames, size of Angle Iron	<u>2 1/4</u>	<u>2 1/4</u>	<u>4</u>	<u>2 1/4</u>	<u>2 1/4</u>	<u>4</u>					
Floors, depth and thickness of Floor Plate at mid line for half the length amidships	<u>10 1/2</u>	<u>4</u>		<u>10 1/2</u>	<u>4</u>						
Do. at the ends	<u>10 1/2</u>	<u>4</u>		<u>10 1/2</u>	<u>4</u>						
Do. do. do. at Bilge Keelson	<u>6</u>	<u>4</u>		<u>6</u>	<u>4</u>						
Do. height extended at the Bilges	<u>21</u>			<u>21</u>							
Beams, Upper, Spar, or Awning Deck (No.) single or double Angle Iron, Plate or Tee Bulb Iron	<u>5</u>	<u>3 1/2</u>	<u>6</u>								
Single or double Angle Iron on Upper edge											
Average space	<u>42</u>			<u>42</u>							
Beams, Main or Middle Deck (No.) single, or double Angle Iron, Plate or Tee Bulb Iron	<u>5</u>	<u>4</u>	<u>6 1/6</u>	<u>4 1/2</u>	<u>4</u>						
Single, or double Angle Iron, on Upper Edge				<u>2</u>	<u>2</u>	<u>4</u>					
Average space	<u>42</u>			<u>42</u>							
Beams, Lower Deck, Hold or Orlop (No.) single or double Ang. Iron, Plate or Tee Bulb Iron											
Single or double Angle Iron on Upper Edge											
Average space											
Keelson Centre line, single or double plate, box or intercostal, size of Plates	<u>bulb 8</u>	<u>0</u>		<u>8 1/2</u>	<u>7</u>						
Do. Plate to Intercostal Keelson				<u>6 1/2</u>	<u>6</u>						
Do. Size of Angle Irons	<u>5 1/2</u>	<u>4</u>	<u>9</u>	<u>3</u>	<u>3</u>	<u>6</u>					
Do. Side Intercostal Keelson, size of Plates	<u>wash board</u>										
Do. Angle Irons on tops of Floors											
Do. Bilge Keelson, Bulb Iron for 3/4 the length	<u>4 1/2</u>	<u>3</u>	<u>6</u>	<u>bulb 4 1/2</u>	<u>4</u>						
Do. do. Intercostal plates riveted to plating for length											
Do. do. Angle Irons				<u>3</u>	<u>3</u>	<u>6</u>					
Side Stringers (No. /) size of Angle Irons	<u>3</u>	<u>3</u>	<u>6</u>	<u>3</u>	<u>3</u>	<u>6</u>					
Do. Intercostal plates riveted to plating for length											

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

Knight-heads Iron Hawse Timbers Iron

Windlass 10" Iron through spindle Ball Bitt Iron

The Frames extend in one length from Keel to Gunwale Riveted through plates with (5/8 in.) Rivets, about 5" apart.

The Reverse Angle Irons on the floors and frames extend across the middle line from turn of bilge to turn of bilge alternately

Keelsons. Are the various lengths of Plates and Angle Irons properly connected? yes And are their butts properly shifted? yes

Plates, Garboard, double or single Riveted to Keel, double or single at upper edge, with Rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre.

Do. Edges from Garboards to upper part of Bilge, worked Clencher, double or single Riveted; with Rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre.

Do. Butts from Keel to turn of Bilge, worked carvel with butt straps to strakes (5/16) thick, double or single Riveted; with Rivets (5/8 in.) diameter averaging (2 1/4 ins.) from centre to centre. Do the Butt Straps lay over and Rivet through the lands of the strakes above or below? no

Do. of One Strakes at Bilge for 1/2 length, double riveted with Butt Straps 1/16 thicker than their plates.

Do. Edges from bilge to Main Sheerstrake, worked carvel with a lining piece (5/16) thick, or clencher, double or single riveted; with rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre.

Do. Edges of Sheerstrake, Main, double or single Riveted. Upper, double or single Riveted. At upper edge single At lower edge double

Do. Butts from Bilge to Main Sheerstrake, worked Carvel with Butt Straps (5/16) thick, double or single Riveted; with Rivets (5/8 in.) diameter, averaging (2 1/4 ins.) from centre to centre.

Do. Butts of Main Sheerstrake, double or treble Riveted. Butts of Upper or Spar Sheerstrake, and Upper Deck Stringer Plate, double or treble Riveted for 1/2 length amidships. Breadth of laps of plating in double Riveting (5 1/2 rivets) Breadth of laps of plating in single Riveting (3 1/2 rivets)

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted?

Planksheer, how secured to the plating of the sides. Waterway, how secured to the planksheer and to the Beams. (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Moulded knee plates riveted to frames No. of Breasthooks, 3 Crutches, 12

What description of Iron is used for the Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Blackburn & Co. frames & corners - plates

Manufacturer's name or trade mark, Blackburn & Co.

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature, Edw. Mustkar Surveyor's Signature, Edw. Mustkar

IRON 43-0414

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? yes
 Do the fillings between the ribs and plates fill in solid with single pieces? yes or are they in short lengths of various thicknesses? no
 Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? yes and are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? yes
 Are there any rivets which either break into or have been put through the seams or butts of the plating? a few

Her Masts, Bowsprit, Yards, &c., are in good condition, and sufficient in size and length. If they are of Iron or Steel give the 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 stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit Pitch Pine light Schooner rigged

10781 Jan.

No.	Number for equipment	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	No.	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
	5130											
	SAILS.											
	CABLES, &c.											
	Chain	150	13	11.18.0.0	13/16	11/30	DR 76/4/42	5440	5.0.24	7.11.3.14	5	7.20
	Fore Sails,		16				Bowrs	5449	5.0.14	4.9.2.21	5	-
	Fore Top Sails,						(State Machine Tested, and name of Superintendent).					
	Fore Topmast Stay Sails											
	Hempen Stream Cable											
	Main Sails,	90	5 1/2		6							
	Main Top Sails,	"	3		4							
	Warp	"	2 1/2									
	All of good quality.											
	Kedges								1.1.0		1	

Her Standing and Running Rigging wire Hempen sufficient in size and good in quality. She has one Long Boat and one other

The present state of the Windlass is efficient Capstan Winch and Rudder and Pumps efficient

Engine Room Skylights.—How constructed? Wood frame on Iron Cornices How secured in ordinary weather? Quadrants

What arrangements are there for deadlights in such for bad weather? wooden Dead lights with Bulls eyes

Coal Bunker Openings.—How constructed? Cast Iron rims How are lids secured? Self locking How high above deck? flush

Scuppers, &c.—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water, in case of a sea coming on board?

Two Ports on each side

Cargo Hatchways.—How formed? Iron framed with Bulls Angle Iron State size Fore Hatch 7 x 6 ft

If of extraordinary size, state how framed and secured? Iron framed with Bulls Angle Iron secured to plate Cornices

What arrangement for shifting beams? Shifting Beams

Hatches, themselves, whether strong and efficient? yes Main Hatchways.—State size 17 ft by 10 ft

Order for Special Survey No. 606 DATES of
 Date 18th April 1872 Surveys held
 Order for Ordinary Survey No. _____ while building
 Date _____ as per
 No. 2 in builder's yard. 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 progress 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

Specially surveyed while building from April to Nov 1872. all 27 visits

General Remarks,

This is a small single decked steam vessel in length 12.92 depths and 6.43 breadths intended for the conveyance of passengers and cargo between Barrow in Furness and Liverpool, her main Hatchway is 17 ft by 10 ft but she has fitted an Iron Deck in way thereof viz from break of Poop for 40 ft forward with 6/16 plating, before and abaft this, the stringers fore and aft and diagonal tie plates are fitted as per rule.

State if one, two or three decked vessel, or if open or awning decked, and lengths of poop, fore-castle or raised quarter deck, or of double or part double bottom.

In what manner are the surfaces preserved from oxidation? Inside cemented in flat and painted above with 6 coats of paint Outside painted with 3 coats of paint

I am of opinion this Vessel should be Classed QA1

The amount of the Entry Fee£ 2 : - : - is received by me,

Special£ 0 : 10 : -
 Certificate - : - : -

(Travelling Expenses)
 (if any) £ _____

Committee's Minute 19th Nov. 1872

Character assigned QA1

Gen. Comm. Minute 20th Nov 1872
 Clipping confirmed DW M. B

[Handwritten signatures and stamps, including Lloyd's Register Foundation watermark]