

IRON SHIPS.

Recd 26/10/49

held at Port Glasgow Date 16th August 1849

propelled Steamer "Soldier" Master Alex. Alexander

Tonnage 116 ³²/₁₀₀ Built at Port Glasgow When built January 1849

by whom built John Reid & Co Owners _____

to which it belongs to Greenock Destined Voyage Clyde to Rotterdam.

Surveyed Afloat or in Dry Dock in dry dock

78 Low Water

Length aloft 95 Feet. inches Extreme Breadth Amidships 20 Feet. inches Depth of Hold 10 Feet. inches

Scantlings.		Inches.		Thickness of Plating, &c.	
		Inches.	Inches.	Outside.	Inside.
Distance of Ribs amidships		<u>2 feet</u>			
Ditto ditto forward and aft		<u>2 feet</u>			
Floors, Size of Angle Iron		<u>3 by 3</u>		Keel to Bilge <u>1 1/2</u>	Bilge Planks <u>2 1/2</u>
Ditto Plate		<u>12 " 5/16</u>		Bilge <u>3/8</u>	Ceiling in Flat <u>2 1/2</u>
Ribs, Size of Angle Iron		<u>3 " 3</u>		Bilge to Wales <u>5/16</u>	Ditto Bilge to Clamp <u>1 1/2</u>
Deck Beams, { Double or Single Angle Iron		<u>4 " 2</u>		Wales <u>5/16</u>	Hold Beam Clamps
N ^o . { Plate		- " -		Topsides	Deck Beam Clamps
Hold Beams, { Double or Single Angle Iron		- " -		Sheerstrakes <u>5/16</u>	Ceiling 'tween Decks
{ Plate		- " -		Planksheers	Hold Beam Shelves
Beams		- " -		Waterways	Deck Beam Shelves <u>Plate iron</u> <u>5/16</u>
Kelson, Iron or Wood <u>Iron beam 12 inches square</u>		<u>5 " 2</u>		Upper Deck	Lower Deck <u>14 in. board</u>
					Ditto Waterways <u>4 1/2</u>

Power of Engines 40 Horse power.

Framing.—The Space between the Floors in this Vessel is 21 Inches. The Space between the Ribs above the Bilge is 21 Inches.

The Stem, Stern Post, are composed of Iron of a forged bar 5 x 2 1/2 inches (Describe how formed.)

The Transoms, Knight Heads, Hawse Timbers, of _____ and are _____ free from all defects.

The Floors are composed of Angle and Plate Iron, Plate, 12 inches deep, and angle iron 3 x 3 x 3/8 in thick (Describe by sketch.)

The Ribs of Angle Iron and extend in one _____ from the gunwale to keel and are rivetted through the bottom plates with a 3/4 inch rivet every nine inches. Single angle iron (Describe whether the Angle Iron is double or single.)

The Main Kelson is composed of Iron beam 12 inches by 12 inches, and secured to the Floors with a 3/4 inch with Bolt through every _____ Floor. (If wood Kelson, state the length of the Scarphs, and what other Kelsons or Engine Sleepers, their number, size, arrangement, and material.)

Iron Kelsons and Engine Sleepers.

Plating Outside.—From the Keel to the Bilge 1/2 inch at the edges, single rivetted, with five rivets of 3/8 inch diameter in each foot in length. The Butts of the Plates are under a water lapped, and flush above (Describe whether edges & butts are lapped or flush, & whether double or single rivetted.)

From the Bilge to the Light Water Mark 3/8 inch at the Edges, single rivetted, with five rivets of 5/8 inch diameter in each foot in length. The Butts of the Plates are flush and double rivetted

From the Light Water Mark to the Wales, 5/16 inch at the Edges, single rivetted, with five rivets of 5/8 inch diameter in each foot in length. The Butts of the Plates are flush and double rivetted.

The Wales are of 5/16th inch at the Edges, double rivetted with five rivets of 5/8 inch diameter in each foot in length. The Butts of the Plates are flush and double rivetted

The Topsides are of Iron as above The Sheer-strakes are of Iron as above

Plank-sheers are of Red pine secured to the Plating of the Side with angle iron 3 x 3 x 3/8 rivetted to the gunwale strakes, as sketched below. (Describe either in words or by a sketch the mode of connexion.)

The Waterways are of Red pine and secured 8 screw bolts 12 inches apart, 4 wooden screws between 4 inches apart. (Describe the mode of securing them to the Beams, &c.)

The Decks are of Yellow pine Secured to the Beams by screw bolts 3/8 inch.

State of the Decks Good

Planking Inside.—Flat of Ceiling is composed of _____ Bilge Planks of elm 2 1/2 in.

Ceiling from Bilge to, Hold Beams of Yellow pine Between Decks of _____

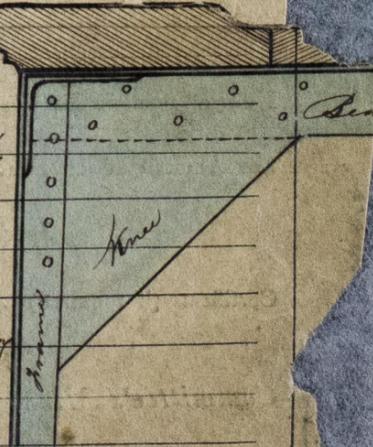
Shelf Pieces of flat plate iron 14 in x 5 in. and secured to the Frame and Outside Plating by as described in sketch.

Clamps of _____ and secured to the Frame and Plating by _____

Fastenings.—To Hold Beams _____

Deck Beams Iron, on every frame Paddle Beams _____

Number of Breasthooks the iron plate forming shelf piece, wrought round the bow, overlapped and rivetted, forming upper breastwork; & the fore head ends of deck, secured thereto, with iron screw bolts & wooden screws.



We certify that the preceding is a correct description of the above-named Vessel,

Builder's Name _____ Surveyor's Name J. W. ...

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Lloyd's Register
Iron 430A-0059

Masts, Yards, &c. are in good condition, and sufficient in size and length.

209 ANCHORS

She has SAILS.		CABLES, &c.		ANCHORS	
N ^o .	Fathoms.		inches.	N ^o .	
Fore Sails,	120	Chain	1 5/16	2	Bower, 7 " 1 " 14
Fore Top Sails,	80	Hempen Stream Cable	6 1/2	1	Stream, 2 " 3 " 14
Fore Topmast Stay Sails,	90	Hawser	5 1/2	1	Kedge, 1 " 3 " 21
Main Sails,	60	Towlines	4 1/2		
Main Top Sails,		Warp			
<u>and complete suit of new Sails</u>		All of <u>good</u> quality.			

Her Standing and Running Rigging found to be sufficient in size and good in quality.

She has a Long Boat and Solly boat

The present state of the Windlass is good with patent purchase Capstan double Winch and Rudder Good

General Remarks—Statement and Date of Repairs.

Said on in August 1848 and launched January 1849. Surveyed in dry dock present after having been on shore. Lower part of stem heated and set fair. Cur up, and new iron floor, and frame, put in forward. One whole plate, and a half plate renewed. Six more plates in bottom taken off, fired, and beat out, replaced. Some other plates fired and beat out, and a great many rivets to bottom plates and butts of plates caulked. Ceiling laid down, and renewed where required. Engines disconnected and made good. Engineer's certificate herewith. She is now in good condition, & the workmanship good.

I am of opinion this Vessel should be Classed "A"

The Amount of the Fee.....£ 2 : " : " is received by me, John R. Cummins
Special£ 2 : 2 : "

Certificate (if required)£ " : " : "

Committee's Minute 30th Oct 1849

Character assigned A
Build of Iron
M. C. 49 S. D.



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Foundation