

IRON SHIPS.

No. 3104 Survey held at Greenock Date 16th October 1852
 on the Three Masted Schooner "Melbourne" Master John Turner
 Tonnage—Gross 114 Engine Room 38 Register 76 Built at Greenock
 When built May 1852 By whom built Laurence Hill & Co. Owners Duncan Hayle & others
 Port belonging to Greenock Destined Voyage Glyde to Port Phillip
 If Surveyed Afloat or in Dry Dock in dry dock

Length aloft	Feet.	Inches.	Amidships	Feet.	Inches.	Depth from Beam to top of Floor..	Feet.	Inches.	Power of Engines....	Horse. No.
.....	140	—	Extreme Breadth..	15	10	7	10	—	45	1
Distance between Floors amidships.....	1	8								
„ „ „ forward and aft	1	11								
„ „ Ribs amidships	1	8								
„ „ „ forward and aft	1	11								
Floors, Size of Angle Iron, and No. at }										
bottom of Floor Plate	2	4	2	4	3					
„ depth & thickness of Plate at mid line..	—	10								
„ „ „tapering, at turn of bilge	—	—								
„ Size of Reversed Angle Iron, and	2	4	2	4	3					
No. at top of Floor Plate	2	4	2	4	3					
Ribs, Size of Angle Iron, single or double. }										
„ „ Reversed Iron, if to every frame	2	4	2	4	3					
or every frame	2	4	2	4	3					
Beams, Deck (N ^o .) double or single }										
Angle Iron	2	4	2	4	3					
„ „ depth & thickness of Plate amidships	—	—								
„ „ double or single Angle Iron, }										
on lower edge	—	—								
„ „ average space between	20	23								
„ „ if wood (N ^o .) sided & moulded	—	—								
„ Hold, (N ^o .) double or single }										
Angle Iron	—	—								
„ „ depth & thickness of Plate amidships	—	—								
„ „ double or single Angle Iron, }										
on lower edge	—	—								
„ „ average space between	—	—								
„ „ if wood (N ^o .) sided & moulded	3	2	3	2	3					
„ Paddle, wood, sided and moulded	12	—	12	—	3					
or if Iron, size of Plate	—	—								
„ Engine Double Angle Iron	6	3	6	3	3					
Keelson, wood, sided & moulded , iron, size of	9	—	9	—	3					
plate, if Box, give sketch & dimensions }										
„ Side or Bilge Angle Iron back to back	3	2	3	2	3					
„ Number... Two	—	—								

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

Knight-heads „ } Plate Iron 3/8 inch } are they free from defects? Yes
 Hawse Timbers „ }

The Ribs extend in one length from Gunwale to Gunwale rivetted through plates with (5/8 in.) rivets, about (6 1/2 in) apart.

The reverse angle irons on the floors extend in one length across the middle line from top of bilge to top of bilge.

„ „ „ on the ribs „ „ „ from to

Keelson, if wood, length of scarf if iron, how are the various lengths connected? With an Iron plate double rivetted

Plates, Garboard, double or single rivetted to keel, with rivets (3/4 ins) diameter, averaging (2 in.) from centre to centre of rivet.

„ edges from Garboards to turn of bilge, worked carvel with a lining piece (— in.) thick, or clencher, double or single rivetted; rivets (5/8 in.) diameter, averaging (1 1/4 ins.) from centre to centre of rivets.

„ butts from Garboards to turn of bilge, worked carvel with a lining piece (1/4 in) thick, double or single rivetted; rivets (5/8 in.) diameter, averaging (1 1/4 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes, above also

„ edges from bilge to wales, worked carvel with a lining piece (—) thick, or clencher, double or single rivetted; rivets (5/8 in.) diameter, averaging (1 1/4 ins.) from centre to centre of rivets.

„ butts from bilge to wales, worked carvel with a lining piece (1/4 in) thick, double or single rivetted; rivets (5/8 in.) diameter, averaging (1 1/4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes, above also

„ edges of wales and to planksheers, worked carvel with a lining piece (—) thick, or clencher, double or single rivetted; rivets (1/2 in.) diameter, averaging (1 1/4 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides { Explain by a sketch, } With plates, nuts, and screws.

Waterway „ „ planksheer and to the beams { if necessary. } With Angle Iron rivetted through.

Side trussing breadth and thickness of plates how secured

Deck trussing „ „ „ „ „

Deck Beams, how secured to the side Iron plate knees rivetted to frames

Hold „ „

Paddle „ „ Iron plate knees rivetted through frames with Brackets.

No. of breasthooks Four crutches Four how are pointers compensated?

What description of iron is used for the angle iron and bar iron in the vessel? Best Scotch Iron

Laure Hill 2019
 Builder's Signature.

390 Iron

Workmanship. Are the lands or laps of the clench work in all cases sufficiently wide to take the rivets and support the strain on them? *Yes.*
 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 all solid with sliver pieces, or are they in short lengths? *Short lengths*
 Do the holes for rivetting plate to lining piece, or plate to plate, &c. answer well to each other? *Yes.* and are the rivet holes well and sufficiently counter sunk 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? *No.*
 Was the plating caulked internally in the wake of the frames or ribs? *Yes.*

Her Masts, Yards, &c. are in *Good* condition, and sufficient in size and length.

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.	
N ^o .	Fathoms.			Inches.	N ^o .	
Fore Sails,	150	Chain	<i>close linked</i>	<i>13/16</i>	2	Bower, <i>ant 9. 1/2 lbs</i> <i>5" 2" 5</i> <i>4" 1" 13</i>
Fore Top Sails,	85	Hempen Stream Cable		5		Stream,
Fore Topmast Stay Sails,	120	Hawser		<i>4 1/2</i>	1	Kedge, <i>2. 3. 2</i>
Main Sails,		Towlines				
Main Top Sails,		Warp				
and a complete suit of best canvass		All of <i>Good</i> quality.				

Her Standing and Running Rigging *all new* sufficient in size and *Good* in quality.

She has *one Life* Long Boat and *Solly Boat*

The present state of the Windlass is *Good* Capstan *double winch* and Rudder *Good* Pumps *four lead pumps leading into each compartment, and spending spaces.*

GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

At present the Paddle Wheels and Boxes, funnell and deck Houses have been taken off and stowed below and openings on Deck, in way of Engine, secured permanently for the passage to Australia. Spoused outside in way of Paddle space. sixty feet in length from turn of bilge to Wing Wake extending out amidships four and one half feet with two inch Pine secured with fore and aft pieces and dog shores. lower piece secured through plating with screw bolts and nuts every two feet. She has four iron watertight Bulkheads, and has been rigged and equipped as a three masted schooner. She is now in dry dock, and her bottom coated as described. Her stores and furnishings are complete and of a good description.

In what manner are the surfaces preserved from oxidation? *Two coats of red lead inside and out, and two coats of Peacock's patent liquid composition to bottom*

I am of opinion this Vessel should be Classed *A1.*

The Amount of the Fee.....£ 1 : " : " is received by me,

Special£ 2 : 2 : "

Certificate (if required)£ " : 5 : "

Committee's Minute *22nd Oct 1852*

Character assigned *A1*



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