

IRON SHIPS.

Rec. 19/11/63

No. 3142 Survey held at Leith Date 18th November 1863

on the Ship "Bolingbroke" Master Alfred Ross

Tonnage Gross 1259.46 ^{Roof} Engine Room 95.41 Register 1163.75 Built at Leith

When Built 1863 By whom built Messrs. J. & M. Robertson Owners Messrs. Lister Young & Co.

Port belonging to Liverpool Destined Voyage Melbourne

If Surveyed Afloat or in Dry Dock Under building

PLANS

Depth from top of Upper Deck } Feet. Inches. } 22 8
 Beam to top of Floor..... }
 Extreme Breadth..... } Feet. Inches. } 35 1
 Power of Engines....

Description	Inches in Ship		Inches required per Rule		Description of Iron	Inches in Ship		Inches required per Rule	
	In Ship	In Ship	In Ship	In Ship		In Ship	In Ship	In Ship	In Ship
Frames or Ribs from moulding } moulding edge, all fore and aft }	18		18		Stem, if bar iron, moulding and thickness	9	2 3/4	8 1/2	3
Angle Iron, and No. of Floor Plate	5	3	9/16	5	3	9/16			
Thickness of Floor Plate at	23		1/16	22 1/2		1/16			
Thickness of Floor Plate at	5		1/16	5		1/16			
Angle Iron, and No. of Floor Plate	3 1/2	3	8/16	3 1/2	3	8/16			
Angle or double	5	3	9/16	5	3	9/16			
to every frame	3 1/2	3	8/16	3 1/2	3	8/16			
frame to	3 1/2	3	8/16	3 1/2	3	8/16			
Double Angle Iron	3 1/2	3	6/16	3 1/2	3	6/16			
with double Angle	8 1/2		9/16	8 3/4		9/16			
Thickness of plate amidships	36	inches							
for single Angle Iron,									
on lower edge									
Average space between									
if wood (N°) sided & moulded									
fold, or Lower Deck (N° 52)	3 1/2	3	6/16	3 1/2	3	6/16			
Double Angle Iron or Bulb Iron	8 1/2		9/16	8 3/4		9/16			
with double Angle Iron on top									
depth & thickness of plate amidships									
double or single Angle Iron,									
on lower edge									
average space between									
if wood (N°) sided & moulded									
Paddle, wood, sided and moulded									
or if Iron, size of Plate									
Engine									
Keelson, wood, sided & moulded, iron, size of									
plate, if Box, give sketch & dimensions									
Side of Bilge									
Number									
Bilge									
Ransoms, material									
or, if none, in what manner compensated for									

Knight-heads Iron Bulkheads, N° Two Thickness of 1/16 1/16
 Hawse Timbers Iron are they free from defects? Yes how secured to the sides of the ship Bracket Pieces

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with (7/8 in.) rivets, about (3 1/4) apart.
 The reverse angle irons on the floors extend in one length across the middle line from Bilge to Bilge

Keelson, how are the various lengths of plates or angle irons connected? With overlaps and double rivetted

Plates, Garboard, double rivetted to keel & at upper edge, with rivets (1 1/4 in.) diameter averaging (4 in.) from centre to centre of rivet.
 Edges from Garboards to upper part of bilge, worked carvel with a lining piece (in.) thick, or clencher, double rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 ins.) from centre to centre of rivets.

Butts from Keel to turn of bilge, worked carvel with a lining piece (2/16) thick, double rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes

Edges from bilge to planksheer, worked carvel with a lining piece (in.) thick, double rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? The butt straps do

Butts from bilge to planksheers, worked carvel with a lining piece (1/16) thick, or clencher, double rivetted; rivets (7/8 in.) diameter averaging (3 1/2 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (1 1/2) Breadth of laps in single rivetting (✓)

Planksheer, how secured to the plating of the sides Explain by sketch, See Section
 Waterway Iron planksheer and to the Beams if necessary.

Side trussing Iron breadth and thickness of plates Iron how secured? See Section
 Deck trussing Iron how secured? See Section

Deck Beams, how secured to the side? Welded knee plates rivetted to frames
 Hold or Lower Deck Iron how secured? See Section

Paddle Iron how secured? See Section
 No. of breasthooks Iron how are pointers compensated? See Section

What description of iron is used for the angle iron and plate iron in the vessel? Glasgow Iron Co. Builder's Signature Wm & John Murray & Co.

© 2019
 IRON 437-0047

