

IRON SHIPS.

Rec 13/5/64

No. 3463 Survey held at Hull Date 10th May 1864
 on the Ship "Gellert" Master _____

Tonnage Gross 686 Engine Room _____ Register 686 Built at Hull

When Built 1864 By whom built Martin Samuelson & Co Owners Mermer

Launched 26th Jan'y Port belonging to London Destined Voyage Hamburg

Surveyed Afloat or in Dry Dock While building Special Survey
 Compared with 600 iron plate dated 17th April 1862

Length aloft	Feet. Inches.		Extreme Breadth	Feet. Inches.		Depth from top of Upper Deck Beam to top of Floor	Feet. Inches.		Power of Engines	Horse No.
	163	2		30	—		18	6		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	20		18							
Floors, Size of Angle Iron, and No. <u>one</u> at bottom of Floor Plate	4	3	7/16	4	3	7/16				
„ depth and thickness of Floor Plate at mid line	19	x	9/16	18	x	7/16				
„ depth and thickness of Floor Plate at Bilge Keelson	8	x	9/16	11	x	9/16				
„ Size of Reversed Angle Iron, and No. <u>one</u> at top of Floor Plate	3	2 3/4	9/16	3	2 3/4	9/16				
Frames, Size of Angle Iron, single or double	4	3	7/16	4	5	7/16				
„ Reversed Iron, <u>to every frame</u>	3	2 3/4	9/16	3	2 3/4	9/16				
„ <u>to top of bilge & every alternate frame to Gun</u>	3	2 3/4	9/16	3	2 3/4	9/16				
Beams, Deck (N ^o <u>51</u>) <u>double Angle Iron</u>	2 3/4	2 1/2	9/16	2 3/4	2 1/2	5/16				
„ <u>Bulb Iron with double Angle Iron on top</u>	7/2	x	9/16	7/4	x	7/16				
„ „ depth & thickness of plate amidships	7/2	x	9/16	7/4	x	7/16				
„ „ double or single Angle Iron, on lower edge	40		36 ins							
„ „ average space between	40		36 ins							
„ „ if wood (N ^o) sided & moulded	40		36 ins							
„ Hold, or Lower Deck (N ^o <u>48</u>) <u>double Angle Iron or Bulb Iron</u>	2 3/4	2 1/2	9/16	2 3/4	2 1/2	5/16				
„ with <u>double Angle Iron on top</u>	7/2	x	9/16	7/4	x	7/16				
„ „ depth & thickness of plate amidships	7/2	x	9/16	7/4	x	7/16				
„ „ double or single Angle Iron, on lower edge	40 ins		36 ins							
„ „ average space between	40 ins		36 ins							
„ „ if wood (N ^o) sided & moulded	40 ins		36 ins							
„ Paddle, wood, sided and moulded or if Iron, size of Plate	5	3	9/16	5 1/2	3 1/2	7/16				
„ Engine <u>angle iron on top</u>	5	3	9/16	5 1/2	3 1/2	7/16				
Keelson, wood, sided & moulded, iron, size of	2 1/4	x	9/16	2 1/2	x	9/16				
„ <u>Intercostal plate, if Box, give sketch & dimensions</u>	5	3	9/16	4 1/2	3 1/2	7/16				
„ Side or Bilge	5	3	9/16	4 1/2	3 1/2	7/16				
„ Number <u>including Main & Fire</u>	5	3	9/16	4 1/2	3 1/2	7/16				

Transoms, material _____ or, if none, in what manner compensated for. By frames and plating
 Knight-heads „ _____ Bulkheads, N^o. Two Thickness of 9/16
 Hawse Timbers „ _____ are they free from defects? _____

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (6 ins) 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 frames „ „ from top of bilge to Gunwale on alternate frames

Keelson, how are the various lengths of plates or angle irons connected? both angle irons through rivetted

Plates, Garboard, double or single rivetted to keel at upper edge, with rivets (1 ins.) diameter averaging (4 in.) from centre to centre of rivet.

„ Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/8 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets.

„ Butts from Keel to turn of bilge, worked carvel with a lining piece (1/8) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 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 (1/8) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? _____

„ Butts from bilge to planksheers, worked carvel with a lining piece (1/8) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter averaging (3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4 1/2) Breadth of laps in single rivetting (2 1/2)

Planksheer, how secured to the plating of the sides { Explain by sketch, }
 Waterway „ „ planksheer and to the Beams { if necessary. } Gutter Waterway

Side trussing _____ breadth and thickness of plates _____ how secured? _____

Deck trussing Four pairs 1 3/4 x 1/2 plate fitted diagonally rivetted to Beams by X strakes plates

Deck Beams, how secured to the side? Welded knees rivetted to Frames

Hold or Lower Deck „ So _____

Paddle „ _____

No. of breasthooks Five crutches _____ how are pointers compensated? By termination of Strakes

What description of iron is used for the angle iron and plate iron in the vessel? Dark Wilson & Bells Builder's Signature Martin Samuelson



