

Lloyd's Register of British & Foreign Shipping

WED. NOV. 12. 1913

FORM OF COMPARISON OF SCANTLINGS OF IRON AND STEEL SHIPS WITH THE RULES OF LLOYD'S REGISTER FOR 1885.

Ship's Name *Lizzie & Annie* Official No. *76519* Port of Registry *Hull*
 Builder's Name and No. *Softley & Co.* When built *1877*

Surveyed afloat, in dry dock, or when building at *Brown's Dry Dock*

Date *Nov 18th / 1913.*

Material of Iron or Steel *Iron*

Length on Deck, as per Rule *90.1 1/2*

Breadth moulded *19.1 1/2*

Depth moulded *8.11*

Depth top of floors to upper deck beams *8-6*

Depth top of floors to main deck beams *✓*

Depth top of floors to lower deck beams *✓*

* The actual depth to top of beam should be reported without any allowance for a normal round up of beam.

ONE, OR TWO DECKED, THREE DECKED, VESSEL, SPAR, OR AWNING-DECKED VESSEL.

Half Breadth (moulded) ... *9.56*
 Depth from upper part of Keel to top of Upper Deck Beams ... *9.37*
 Girth of Half Midship Frame (as per Rule) ... *16.3*
 1st Number ... *35.23*
 1st Number, if a 3-Decked Vessel deduct 1 ft. ...
 Length ... *89.2*
 2nd Number ... *3142*
 Proportions—Breadth to Length ... *4.6*
 Depth to Length—Upper Deck to Keel ... *9.5*
 Main Deck ditto ...

FRAMING.	SHIP.			RULE.			SHIP.	RULE.		
	Inches	Inches	16ths or 20ths	Inches	Inches	16ths or 20ths		Inches	Inches	16ths or 20ths
FRAME, Angle, Channel <i>Zed</i> Bulk <i>Angle</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>4 1/2</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	CENTRE LINE KEELSON, Vertical Plate	<i>7 1/2</i>	<i>6 1/2</i>	<i>7 1/2</i> <i>6</i>
Distance of Frames from moulding edge to moulding edge, all fore & aft	<i>20</i>			<i>20</i>			above floors, Through Plate, or Intercoastal	<i>6 1/2</i>	<i>6 1/2</i>	
REVERSED FRAME Angle	<i>2 1/2</i>	<i>2 1/2</i>	<i>3 1/2</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>4</i>	Rider Plate	<i>6 1/2</i>	<i>6 1/2</i>	
REVERSED ANGLES on floors and frames extend <i>UPPER & LOWER DECK</i>							Bulb Plate to Intercoastal	<i>✓</i>	<i>✓</i>	
DEPTH OF FRAME GIRDER	<i>10 1/2</i>	<i>8 1/2</i>	<i>3 1/2</i>			<i>11 5</i>	Horizontal Plates on Floors	<i>3</i>	<i>3</i>	<i>6 1/2</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>21</i>						Angles, top <i>3 x 3 x 3/4</i> bottom	<i>3</i>	<i>3</i>	<i>6 1/2</i>
height extended at the Bilges							SIDE KEELSON, Angles <i>FOR 46-0 MAIN DECK</i>	<i>3</i>	<i>3</i>	<i>6 1/2</i>
FLOORS AND BRACKETS in Cell Double Bottoms	<i>✓</i>						Bulb or Plate above floors, for length	<i>✓</i>	<i>✓</i>	
Distance apart	<i>✓</i>						Intercoastal Plate for <i>46-0</i> length	<i>✓</i>	<i>✓</i>	
CENTRE GIRDER, in Double Bottom, depth and thickness	<i>✓</i>						Attached to outside Plating with Angle	<i>3</i>	<i>3</i>	<i>6 1/2</i>
Angles, Top Bottom	<i>✓</i>						BILGE KEELSON, Angles <i>DOUBLE</i>	<i>3</i>	<i>3</i>	<i>6 1/2</i>
WIDE GIRDERS, number and thickness	<i>✓</i>						Bulb or Plate above floors, for length	<i>✓</i>	<i>✓</i>	
Angles	<i>✓</i>						Intercoastal Plate for length	<i>✓</i>	<i>✓</i>	
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>✓</i>						Attached to outside Plating with Angle	<i>✓</i>	<i>✓</i>	
Angles	<i>✓</i>						BILGE STRINGER, Angles	<i>✓</i>	<i>✓</i>	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake in Engine and Boiler Space	<i>✓</i>						Bulb Plate for length	<i>✓</i>	<i>✓</i>	
Remainder in Holds	<i>✓</i>						Intercoastal Plate for length	<i>✓</i>	<i>✓</i>	
AMS, Upper Spar and Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>5</i>	<i>3</i>	<i>6 1/2</i>	<i>5</i>	<i>3</i>	<i>7</i>	Attached to outside Plating with Angle	<i>3</i>	<i>3</i>	<i>6 1/2</i>
Angles on upper edge	<i>✓</i>						SIDE STRINGER, Angles <i>DOUBLE</i>	<i>3</i>	<i>3</i>	<i>6 1/2</i>
Average space	<i>40</i>			<i>40</i>			Bulb or Intercoastal Plate for lng.	<i>✓</i>	<i>✓</i>	
AMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>✓</i>						Attached to outside Plating with Angle	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						Stringer Plate on ends of Upper Spar or Awning Deck, Beams, breadth and thickness. Doubling Plate	<i>20</i>	<i>6 1/2</i>	<i>20</i> <i>6</i>
Average space	<i>✓</i>						Angle on Stringer	<i>3</i>	<i>3</i>	<i>6 1/2</i>
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>✓</i>						Deck, Iron or Steel for length	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						Deck Wood, Material and thickness	<i>P.P. 5 x 2 1/2</i>	<i>2 1/2</i>	<i>WOOD</i>
Average space	<i>✓</i>						Middle Deck Stringer Plate, breadth and thickness	<i>✓</i>	<i>✓</i>	
AMS, Hold, Orlop, Plate or Tee Bulb, Angles or Channel Bars	<i>✓</i>						Deck, Iron or Steel for length	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						Wood Deck, Material and thickness for length	<i>✓</i>	<i>✓</i>	
Average space	<i>✓</i>						Lower Deck Stringer Plate, breadth and thickness	<i>✓</i>	<i>✓</i>	
AMS, Deck and Bridge Deck <i>Angle</i> , Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>5</i>	<i>3</i>	<i>7</i>				Deck, Material and thickness for length	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						Hold or Orlop Stringer Plate, breadth and thickness	<i>✓</i>	<i>✓</i>	
Average space	<i>40</i>						Deck, Material and thickness for length	<i>✓</i>	<i>✓</i>	
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>5</i>	<i>3</i>	<i>7</i>				Face Plate	<i>6</i>	<i>1 1/2</i>	
Angles on upper edge	<i>✓</i>						BAR KEEL, depth and thickness	<i>✓</i>	<i>✓</i>	
Average space	<i>40</i>						FLAT PLATE KEEL, breadth and thickness	<i>✓</i>	<i>✓</i>	
AMS, Deck and Bridge Deck <i>Angle</i> , Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>5</i>	<i>3</i>	<i>7</i>				Doubling of inch thickness and length applied	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						PLATES in Garboard Strakes & thickness	<i>30</i>	<i>6</i>	
Average space	<i>40</i>						" Strake	<i>✓</i>	<i>✓</i>	
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	<i>5</i>	<i>3</i>	<i>7</i>				" D	<i>✓</i>	<i>✓</i>	
Angles on upper edge	<i>✓</i>						" E	<i>✓</i>	<i>✓</i>	
Average space	<i>40</i>						" F	<i>✓</i>	<i>✓</i>	
LARS, Hold, No. of rows and diameter	<i>one</i>	<i>2 1/4</i>					" G	<i>✓</i>	<i>✓</i>	
LARS, Deck, No. of rows and diameter	<i>✓</i>						" H	<i>✓</i>	<i>✓</i>	
Spacing at middle line	<i>40</i>						" I	<i>✓</i>	<i>✓</i>	
Are heads of pillars attached to fore and aft girders under beams	<i>✓</i>						" J	<i>✓</i>	<i>✓</i>	
3-FRAMES, in Machinery Space, No. and spacing	<i>✓</i>						" K	<i>✓</i>	<i>✓</i>	
breadth and thickness	<i>✓</i>						" L	<i>✓</i>	<i>✓</i>	
No. of Side Stringers	<i>✓</i>						" M	<i>✓</i>	<i>✓</i>	
FRAMES, in Fore Body, No. and spacing	<i>✓</i>						" N	<i>✓</i>	<i>✓</i>	
breadth and thickness	<i>✓</i>						" O	<i>✓</i>	<i>✓</i>	
No. of Side Stringers	<i>✓</i>						MAIN SHEERSTRAKE, breadth and thickness	<i>30</i>	<i>6</i>	
FRAMES, in After Body, No. and spacing	<i>✓</i>						Doubling at Main Sheerstrake for length	<i>✓</i>	<i>✓</i>	
breadth & thickness	<i>✓</i>						Thickness of Side Plating between Main and Upper Sheerstrakes	<i>✓</i>	<i>✓</i>	
No. of Side Stringers	<i>✓</i>						Doubling of Side Plating for length	<i>✓</i>	<i>✓</i>	
Size of Angles or Tee Bars to Web Frames	<i>✓</i>						Upper, Spar or Awning Deck Sheerstrake, breadth and thickness	<i>✓</i>	<i>✓</i>	
	<i>✓</i>						Doubling of th s Sheerstrake for length	<i>✓</i>	<i>✓</i>	
	<i>✓</i>						PLATING at Sides of Poop <i>46</i> Forecastle	<i>✓</i>	<i>✓</i>	
	<i>✓</i>						" Bridge	<i>✓</i>	<i>✓</i>	
	<i>✓</i>						BULKHEADS, No. and height up to <i>UPPER</i> deck	<i>2</i>		
	<i>✓</i>						No. and height up <i>1</i> to <i>CABIN</i> deck	<i>2 1/2</i>	<i>2 1/2</i>	<i>8-7</i>
	<i>✓</i>						Thickness <i>2 1/2</i> spacing of Vertical Stiffeners and size	<i>2 1/2</i>	<i>2 1/2</i>	<i>3 1/2</i>
	<i>✓</i>						Are efficient liners fitted to outside Plates?	<i>✓</i>	<i>✓</i>	

N.B.—The printed words which do not apply should be carefully deleted by the Surveyor.

[P.T.O.]



26898

RIVETING.

Landings Garboard double riveted to keel with 7/8 rivets.

" Edges of garboard to upper part of bilge single riveted 5/8 riv

" Edges from bilge to main sheerstrake

" Edges of main sheerstrake

Butts of Flat Keel Plate	...	...	...	for	length
" Garboard Strakes	Double riveted			for	full length
" Bottom Plating	...	...	...	for	length
" Bilge	...	...	...	for	length
" Side	...	...	...	for	length
" Main Sheerstrake	...	...	...	for	length
" Doubling at Main Sheerstrake	...	...	...	for	length
" Strake between Main and Upper Sheerstrake	...	...	...	for	length
" Doubling to above Strake	...	...	...	for	length
" Upper Sheerstrake	...	...	...	for	length
" Doubling at Upper Sheerstrake	...	...	...	for	length
" Upper Deck Stringer	Double riveted			for	full length
" Doubling to Upper Deck Stringer	...	...	...	for	length
" Main Deck Stringer	...	...	...	for	length

GENERAL REMARKS.

State the quality of Workmanship and present condition of Vessel:—

The workmanship is good & the general condition satisfactory.

SKETCH SHOWING THICKNESS OF SHELL PLATING.

P.	S.		P.	S.	Rule	P.	S.
		SHEERSTRAKE					
.375	.40	F.	.35	.375	$\frac{6}{16} = .375$	.365	.375
.32	.32	E	.30	.31	$\frac{5}{16} = .3125$	.32	.345
.28	.28	D	.32	.31	$\frac{6}{16} = .375$	.30	.34
		C					
		B					
		GARBOARD A					

Surveyor's Signature

F. C. Smith

NOTE.—Any special feature such as partial Steel or Iron Bulkheads in the 'tween Decks, should be fully reported on and, if necessary, the Surveyor's remarks should be illustrated by sketches.

REPORT

Survey Report

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