

30,872

## Lloyd's Register of British &amp; Foreign Shipping.

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

Ship's Name "S. Lug. St. Botolph" Official No. Port of Registry

Builder's Name and No. Messrs. Livingstone &amp; Cooper Ltd, Besse No 185 When built 1919

Surveyed afloat, and in dry dock, Hessel  
or when building at ...

Date 3rd January 1919

State if Iron or Steel Steel

Length on Deck, as per Rule 134'-0"

Breadth moulded 29'-0"

Depth moulded 16'-2 1/4"

\*Depth top of floors to upper deck beams 14'-4" 15'-0 3/4"

\*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.

	Feet.
Half Breadth (moulded)	14.5
Depth from upper part of Keel to top of Upper Deck Beams	16.5873
Girth of Half Midship Frame (as per Rule)	26.752
1st Number	57.83
1st Number, if a 3-Decked Vessel deduct 7 ft.	
Length	135
2nd Number	775.3 7749.22
Proportions—Breadth to Length	4.62
Depth to Length—Upper Deck to Keel	8.06
Main Deck ditto	

FRAMING.	SHIP.			RULE.				SHIP.			RULE.		
	Inches	Inches	16ths or 20ths	Inches	Inches	16ths or 20ths		Inches	Inches	16ths or 20ths	Inches	Inches	16ths or 20ths
FRAME, Angle, Channel, Zed or Bulb Angle for 1/2 length amidships	6	3	.32	3 1/2	3	7							
" Distance of Frames from moulding edge to moulding edge, all fore & aft		22		22									
REVERSED FRAME Angle													
REVERSED ANGLES on floors and frames extend	3	3	.42	3 1/2	6								
DEPTH OF FRAME GIRDER	6												
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	20		.42	16 1/2	7								
" height extended at the Bilges				33									
FLOORS AND BRACKETS in Cell Double Bottoms			.24										
" Distance apart	22												
CENTRE GIRDER, in Double Bottom, depth and thickness	36		.3										
" Angles, Top 2 1/2 x 2 1/2 x .3 Bottom			.24										
SIDE GIRDERS, number and thickness	2 1/2	2 1/2	.24										
" Angles													
MARGIN PLATE, depth (exclusive of flange) and thickness													
" Angles													
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	42		.28										
" in Engine and Boiler Space													
" Remainder in Hold	30	5	.28										
BEAMS, Upper Spar and Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	5	3	.34										
" Angles on upper edge	5	3	.3										
" Average space													
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars													
" Angles on upper edge													
" Average space													
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	5	3	.32										
" Angles on upper edge													
" Average space													
BEAMS, Hold, or Orlop, Plate or Tee Bulb, Angles or Channel Bars													
" Angles on upper edge													
" Average space													
BEAMS, Poop and Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	3	3	.3										
" Angles on upper edge													
" Average space	44"												
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	6	3	.32										
" Angles on upper edge	5	3	.34										
" Average space													
PILLARS, Hold, No. of rows and diameter	2 1/4	2 1/2	.3										
PILLARS, Deck, No. of rows and diameter	2 1/4	2 1/2	.3										
" Spacing at middle line													
" Are heads of pillars attached to fore and aft girders under beams													
WEB-FRAMES, in Machinery Space, No. and spacing													
" breadth and thickness													
" No. of Side Stringers													
WEB-FRAMES, in Fore Body, No. and spacing													
" breadth and thickness													
" No. of Side Stringers													
WEB-FRAMES, in After Body, No. and spacing													
" breadth & thickness													
" No. of Side Stringers													
" Size of Angles or Tee Bars to Web Frames													

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal	SHIP.			RULE.		
	Inches	Inches	16ths or 20ths	Inches	Inches	16ths or 20ths
" Rider Plate	18"	32 1/2	8.5			
" Bulb Plate to Intercoastal			.42			
" Horizontal Plates on Floors			.42			
" Angles, top	3	3	.42			
SIDE KEELSON, Angles						
" Bulb or Plate above floors, for length						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles						
" Bulb or Plate above floors, for length						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
BILGE STRINGER, Angles						
" Bulb Plate for length						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGER, Angles						
" Bulb or Intercoastal Plate for lng.						
" Attached to outside Plating with Angle						
Stringer Plate on ends of Upper Spar or Awning Deck, Beams, breadth and thickness. Doubling Plate	36	.36	.28	28	7	
" Angle on Stringer	3	3	.3			
" Deck, Iron or Steel for length		.36	.24			
" Deck Wood, Material and thickness						
" Middle Deck Stringer Plate, breadth and thickness	33		.3			
" Deck, Iron or Steel for length			.24			
" Wood Deck, Material and thickness for length	9 x 2	White Pine				
Lower Deck Stringer Plate, breadth and thickness						
" Deck, Material and thickness for length						
Hold or Orlop Stringer Plate, breadth and thickness						
" Deck, Material and thickness for length						
" Face Plate						
BAR KEEL, depth and thickness	6 x 19	1/16	7/16	18		
FLAT PLATE KEEL, breadth and thickness						
" Doubling or inch thickness and length applied						
PLATES in Garboard Strakes & thickness	A	.32				
" Strake B	.32					
" Strake C	.32					
" Strake D	.32					
" Strake E	.32					
" Strake F	.32					
" Strake G						
" Strake H						
" Strake J						
" Strake K						
" Strake L						
" Strake M						
" Strake N						
" Strake O						
MAIN SHEERSTRAKE, breadth and thickness						
" Doubling at Main Sheerstrake for length						
" Thickness of Side Plating between Main and Upper Sheerstrakes						
" Doubling of Side Plating for length						
Upper, Spar or Awning Deck Sheerstrake, breadth and thickness	57	.32	33	9		
" Doubling of this Sheerstrake for length						
PLATING at Sides of Poop Forecastle	24					
" Bridge						
BULKHEADS, No. and height up to upper deck	3					
" No. and height up to lower deck						
" Thickness of Vertical Stiffeners and size	24 x 30					
" Are efficient liners fitted to outside Plates						

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

[P.T.O.]

012108-012112-0163



# RIVETING.

Landings

" Single Fore + aft.

Butts of Flat Keel Plate ...	...	...	...	...	for	length	at ends.
" Garboard Strakes ...	...	...	...	Double (Strap)	for	full length	at ends.
" Bottom Plating ...	...	...	...	"	for	" length	at ends.
" Bilge ...	...	...	...	"	for	" length	at ends.
" Side ...	...	...	...	"	for	" length	at ends.
" Main Sheerstrake ...	...	...	...		for	length	at ends.
" Doubling at Main Sheerstrake ...	...	...	...		for	length	at ends.
" Strake between Main and Upper Sheerstrake					for	length	at ends.
" Doubling to above Strake ...	...	...	...		for	length	at ends.
" Upper Sheerstrake ...	...	...	...	Double + (Strap)	for	full length	at ends.
" Doubling at Upper Sheerstrake ...	...	...	...	Treble where shown in plan	for	length	at ends.
" Upper Deck Stringer ...	...	...	...	Double	for	full length	at ends.
" Doubling to Upper Deck Stringer ...	...	...	...		for	length	at ends.
" Main Deck Stringer ...	...	...	...		for	length	at ends.

## GENERAL REMARKS.

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

The workmanship and materials are good throughout  
Vessel is fitting out—

Surveyor's Signature Arthur Scullard.

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.



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