

Lloyd's Register of Shipping.

SAT. 29 OCT. 1921

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

Ship's Name "PHILO"

Official No.

Port of Registry London.

Builder's Name and No. *Campbell Macdonald, Glasgow, N^o 299*

When built 1921.

Surveyed afloat, in dry dock, } *building*
or when building at ... }Date *27th October*State if Iron or Steel *Steel*

Length on Deck, as per Rule 140.0

Breadth moulded 24.0

Depth moulded 13.0

*Depth top of floors to upper deck beams 11.75'

*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) ... 12.0

Depth from upper part of Keel to top of Upper Deck Beams ... 13.0

Girth of Half Midship Frame (as per Rule) ... 24.0

1st Number ... 49.0

1st Number, if a 3-Decked Vessel deduct 7 ft. ...

Length ... 140.0

2nd Number ... 6860

Proportions—Breadth to Length ... 5.83

Depth to Length—Upper Deck to Keel ... 10.77

Main Deck ditto ...

FRAMING.	SHIP.			RULE.		
	Inches	Inches	16ths or 20ths	Inches	Inches	16ths or 20ths
FRAME, Angle, Channel, Zed or Bulb Angle for $\frac{1}{2}$ length amidships	4	2 $\frac{1}{2}$	30			
" Distance of Frames from moulding edge to moulding edge, all fore & aft	21 $\frac{1}{2}$					
REVERSED FRAME Angle	2 $\frac{1}{2}$	2 $\frac{1}{2}$	28			
REVERSED ANGLES on floors and frames extend	<i>across floors</i>					
DEPTH OF FRAME GIRDER						
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	15		28			
" height extended at the Bilges	<i>level on Top</i>					
FLOORS AND BRACKETS in Cell Double Bottoms						
" Distance apart						
CENTRE GIRDER, in Double Bottom, depth and thickness						
" Angles, Top Bottom						
SIDE GIRDERS, number and thickness						
" Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness						
" Angles						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
" in Engine and Boiler Space						
" Remainder in Holds						
BEAMS, Upper Spar and Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb, or Channel Bars	4	2 $\frac{1}{2}$	30			
" Angles on upper edge						
" 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						
" 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						
" Angles on upper edge						
" Average space						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb or Channel Bars						
" Angles on upper edge						
" Average space						
PILLARS, Hold, No. of rows and diameter	1		3 $\frac{1}{2}$ "			
PILLARS, Deck, No. of rows and diameter						
" Spacing at middle line at sides						
" Are heads of pillars attached to fore and aft girders under beams						
WEB-FRAMES, in Machinery Space, No. and spacing	1					
" breadth and thickness	12		26			
" No. of Side Stringers	1					
WEB-FRAMES, in Fore Body, No. and spacing	4		86"			
" breadth and thickness	12		26			
" No. of Side Stringers	1					
WEB-FRAMES, in After Body, No. and spacing	2					
" breadth & thickness	12		26			
" No. of Side Stringers	1					
" Size of Angles on Tee Bars to Web Frames	4	3	30			
CENTRE LINE KEELSON, Vertical Plate above Beam, Through Plate, or Intercoastal						
" Rider Plate						
" Bulb Plate to Intercoastal						
" Horizontal Plate on Floors	24		26			
" Angles, top	3	3	30			
SIDE KEELSON, Angles	3	3	30			
" Bulb or Plate above floors, for length						
" Intercoastal Plate for full length	2 $\frac{1}{2}$	2 $\frac{1}{2}$	28			
" 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	4	3	30			
" Bulb or Intercoastal Plate for full length	12					
" Attached to outside Plating with Angle	3	3	30			
Stringer Plate on end of Upper Spar or Awning Deck, Beams, breadth and thickness. Doubling Plate	42		30			
" Angle on Stringer	3	3	40			
" Deck, Iron or Steel for full length						
" Deck Wood, Material and thickness						
Middle Deck Stringer Plate, breadth and thickness						
" Deck, Iron or Steel for length						
" Wood Deck, Material and thickness for length						
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 Face Angles						
BAR KEEL, depth and thickness						
FLAT PLATE KEEL, breadth and thickness	48		52			
" Doubling or inch thickness and length applied						
PLATES in Garboard Strakes & thickness A	34					
" Strake B	34	C	34			
" D	30	E	34			
" Doubling at Bilge		F				
" for length		H				
" K		L				
" M		N				
" O		P				
MAIN SHEERSTRAKE, breadth and thickness	46		36			
" 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						
" Doubling of this Sheerstrake for length						
PLATING at Sides of Poop Forecastle						
" Bridge						
BULKHEADS, No. and height up to deck	6					
" No. and height up to deck						
" Thickness spacing of Vertical Stiffeners and size	30/26		35			
" Are efficient liners fitted to outside Plates?						
Photo. of TANK	34/30	21 $\frac{1}{2}$ 30				

RIVETING.

Landings	<i>all double rivetted</i>								
"									
"									
"									
Butts of Flat Keel Plate ...	...	...	...	...	<i>double rivetted</i>	for <i>full</i>	length	✓	at ends.
" Garboard Strakes ...	...	...	...	...	"	for "	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 ...	...	...	...	...	✓	for	length		at ends.
" Doubling at Upper Sheerstrake ...	...	...	...	...	✓	for	length		at ends.
" Upper Deck Stringer ...	...	...	...	...	<i>Double rivetted</i>	for <i>full</i>	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:—

a longitudinal bulkhead is fitted in way of Oil Tanks as per plan X herewith for reference (not caulked). This vessel has been built in accordance with the approved plans herewith for reference, and in conformity with the rules for the class contemplated.

X Copies of the approved plans are in the London Office.

Surveyor's Signature *John. A. Lawson.*

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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Foundation