

1 or 2 Dks., R.Q.Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel from Sunderland  
Date of completion of Report 21<sup>st</sup> Nov. 1906  
Date, First Survey Nov. 20<sup>th</sup> 1905

No. 11704.  
THUR. NOV 22 1906

Port of Leith  
Last Survey 14<sup>th</sup> November 1906  
Rig Schooner

Survey held at Alloa  
On the Steel S.S. "KLIO"

TONNAGE under	1086.26
Tonnage Deck...	
Do. of Poop	90.47
Do. of Raised Qr.	90.71
Do. of Bridge House	27.34
Do. of Forecastle	38.98
Do. of Houses on Deck	29.47
Do. of excess of Hatchways	
Do. above Crown of	
Engine Room	1363.23
Gross Tonnage	55.01
Less Crew Space	
Less above Crown of	
Engine Room	
TONNAGE FOR FEES	1308.22
Less Engine Room	436.23
Less Navigation Spaces	18.15

ONE OR TWO DECKED VESSEL.  
CLASS +100 A 1.

Half Breadth (moulded)	17.88
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	19.22
Girth of Half Midship Frame (as per Rule)	33.38
1st Number	70.48
Length on deck from after part of stem to fore part of stern post	233.42
2nd Number	16451.44
Proportions—Breadths to Length	6.6
Depths to Length—Main Deck to top of Keel	12.14

Master ✓  
Year of appointment (1) As master in service of owner of present vessel—19. (2) As master of this vessel—19.

Built at Alloa  
When built 1906 Launched 23<sup>rd</sup> Aug. 1906  
By whom built Hackay Brothers  
Owners Dampfschiffahrts, Gesellschaft "Neptun"  
Managers  
Residence Bremen  
Port belonging to Bremen Germany

Register Tonnage as cut on Beam	853.84
LENGTH on Deck as per Rule	233
BREADTH—Moulded	35
DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	16
No. of Decks with Flat laid	one
No. of Tiers of Beams	one
Round of Beam, Actual	8 3/4 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, Angles, L.E. Bars, for 1/2 length amidships	7	3	9	7	3	9
Do. for 1/2 at each end	7	3	8	7	3	8
Do. in way of Double Bottoms at Solid Floors	3	3	7	3	3	7
Spacing of Frames from centre to centre	23			23		
REVERSED FRAME, Angles	3	3	7	3	3	7
DEEP FRAMING, depth of girder	8 1/2	7		8 1/2	7	
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	35	7		35	7	
" in way of Engines and Boilers	35	9	7	35	9	7
" thickness at the ends of vessel	7			7		
" depth at 1/2 the half breadth, as per Rule	54			54		
" height extended at the Bilges	7			7		
FLOORS & BRACKETS, in Cell Dble Bottoms state if flanged (top & bottom)	23			23		
CENTRE GIRDER, in Double Bottom, depth and thickness	35	9		35	9	
" Angles, Top	3 1/2	3 1/2	8	3 1/2	3 1/2	8
" Bottom	4	4	9	4	4	9
IDE GIRDERS, number on each side & thickness state if flanged (top & bottom)	20			20		
" Angles	3	3	7	3	3	7
MARGIN PLATE, depth (exclusive of flange) and thickness	24	7		24	7	
" Angles to Outside Plating	3 1/2	3 1/2	8	3 1/2	3 1/2	8
" Floors	3	3	7	3	3	7
" Height of Floors at the Bilges	54			54		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60	8		60	8	
" thickness in Engine and Boiler space	67			67		
" Remainder in Holds	6	3	8	6	3	8
EAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge	23			23		
" Spacing						
EAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
EAMS, Hold, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
" Angles on Upper Edge						
" Spacing						
EAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7
" Angles on Upper Edge						
" Spacing	23			23		
EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	9	7 1/2	3	9
" Angles on Upper Edge						
" Spacing	46			46		
EARS, In 'tween Decks, Size and Spacing						
" Hold	46	3 1/2		46	3 1/2	
" Quarter, 'tween Dks.						
" in Hold	46	4		46	4	
WEB FRAMES, In Fore Body, No. and Spacing						
" No. of Side Stringers						
WEB FRAMES, In E. & B. Space, No. & Spacing						
" 2 R. frames	5	5	10	5	5	10
WEB FRAMES, In After Body, No. and Spacing						
" No. of Side Stringers						
" Size of Angles or Tee Bars to Web Frames						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.		Inches in Ship.		Or as Approved.				
KEEL, Bar or Side Plates depth and thickness		26 x 14		26 x 14				
STEM, moulding and thickness.....		8 x 2 3/8		8 x 2 3/8				
STERN-POST for Rudder do. do. ....		8 x 5		8 x 5				
"    for Propeller.....		8 x 5		8 x 5				
MAIN PIECE of Rudder, diameter at head....		5 3/4		5 3/4				
do.    at heel....		4 1/2		4 1/2				
RUDDER, how constructed	Yoking & Single Plate.							
Can the Rudder be unshipped afloat?	Yes.							
KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate)								
"    Rider Plate.....								
"    Bulb Plate to Intercoastal Keelson.....								
"    Horizontal Plates on Floors.....								
"    Angles.....								
SIDE KEELSON, Angles.....								
"    Bulb or Plate above floors for..... lng.								
"    Intercoastal Plate for..... length								
"    Attached to outside plating with Angle..								
BILGE KEELSON, Angles.....								
"    Bulb or Plate above floors for..... lng.								
"    Intercoastal Plate for..... length								
"    Attached to outside plating with Angle..								
BILGE STRINGER Angles.....		5 1/2	3	9	5 1/2	3	9	
"    Bulb Plate for..... length		-	-	-	-	-	-	
"    Intercoastal Plate for whole length		-	-	7	-	-	7	
"    Attached to outside plating with Angle		3	3	7	3	3	7	
SIDE STRINGER Angles.....		5 1/2	3	9	5 1/2	3	9	
"    Bulb or Intercoastal Plate for whole lng.		-	-	7	-	-	7	
"    Attached to outside plating with Angle		3	3	7	3	3	7	
Main and Raised Quarter Deck Stringer Plate, breadth and thickness.....		50	10		50	10		
"    Angle on ditto.....		4 x 4 x 9	8		4 x 4 x 9	8		
"    Tie Plates, outside Hatchways.....		-	-		-	-		
"    Diagonal Tie Plates on Bms., No. of Pairs		-	-		-	-		
"    Main Dk* Iron or Steel for whole lng.		-	6		-	6		
"    R. Q. Dk* Iron or Steel for whole lng.		-	6		-	6		
"    Wood Deck, Material & thickness.....		-	-		-	-		
Lower Deck Stringer Plate, breadth and thickness.....								
"    Angles on ditto, No.....								
"    Tie Plates, outside Hatchways.....								
"    Deck* Material and thickness.....								
Hold Stringer Plate.....								
"    Angles on ditto, No.....								
Poop Deck Stringer Plate, breadth & thickness.....								
"    Angle on ditto.....								
"    Tie Plates.....								
"    Deck, Material and thickness.....								
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness.....		38	9		38			
"    Angle on ditto.....		4 1/2 x 4 1/2	9		4 1/2 x 4 1/2			
"    Tie Plates.....		10	6		10			
"    Deck, Material and thickness.....		-	6		-			
Forecastle Deck Stringer Plate, breadth & thickness.....		24	6		24			
"    Angle on ditto.....		3 x 3	6		3 x 3			
"    Tie Plates.....		10	6		10			
"    Deck, Material and thickness.....		P. Pine	3		3			
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.								
BULKHEADS.		Number.	Thickness.	STIFFENERS.			Single or Double Frames.	Height
In Vessel.	Per Rule.		16ths or 20ths.	Horizontal.		Vertical.		
				Size.	Spacing.	Size.	Spacing.	
				Inches.	Inches.	Inches.	Inches.	
W.T. BULKHEADS	4	4	6			7 x 3/4	10	D. 14.0 ft.
PARTITION								
LONGITUDINAL								
Are the outside Plates doubled two spaces of Frames in length?								
Are the Sluice Valves and Watertight Doors in efficient working order?								



