

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

# IRON OR STEEL STEAMER.

Received at London Office

THUR. FEB 20 1896

State if Report is also sent on the Machinery of the Vessel

Date of completion of Report *24 Feb 1896*

Date, First Survey *Oct 22/95*

Port of *Glasgow*

Last Survey *Feb 4th 1896*

Rig *none*

Master *Owen Lewis*

Year of appointment *(1) As master in service of owner of present vessel - 1896  
(2) As master of this vessel - 1896*

Built at *Rutherglen*

When built *1895-6* Launched *9th Jan 96*

By whom built *J. B. Seath & Co*

Owners *Owen Lewis*

Managers  
(Where necessary to be entered in Reg. Book.)

Residence *Newborough Anglesway*

Port belonging to *Carnarvon*

TONNAGE under  
Tonnage Deck... *77.42*  
Do. of Poop  
Do. of Raised Qr. *12.48*  
Do. of Break...  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
Engine Room... *16.49*  
Gross Tonnage *106.39*  
Less Crew Space  
Less above Crown of  
Engine Room... *16.49*  
TONNAGE FOR FEES... *89.90*  
Less Engine Room  
Less Navigation Spaces... *71.76*  
Register Tonnage  
as cut on Beam... *34.63*

ONE OR TWO DECKED VESSEL.

CLASS *A-steel for Ferry Purposes*

Half Breadth (moulded) ..... *10.5'*  
Depth from upper part of Keel to top of Main Deck Bms. *6.5'*  
Girth of Half Midship Frame (as per Rule) ..... *16.2'*  
1st Number ..... *33.2'*  
Length ..... *89.33'*  
2nd Number ..... *2965'*  
Proportions—Breadths to Length ..... *4.25'*  
Depths to Length—Main Deck to top of Keel..... *13.74'*  
Destined Voyage *Carnarvon and Anglesway Ferry*

If Surveyed while Building, Afloat, or in Dry Dock Building afloat.

LENGTH on Deck as per Rule..... *89* Feet. *4* Inches. BREADTH—Moulded..... *21* Feet. *0* Inches. DEPTH—Top of Floors to Main Deck Beams..... *5* Feet. *10* Inches. Power of Engines *31* Horse. No. of Decks with Flat laid *one* No. of Tiers of Beams *one*

Dimensions of Ship per Register, Length, *90.5* breadth, *21.3*, depth, *5.75*. Moulded Depth, ft. *6* ins. *0*. Round of Beam *6* inches.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.
FRAME, Angles, <i>7</i> or <i>8</i> Bars, for <i>1/2</i> length amidships	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>5</i>	KEEL, Bar or Side Plates depth and thickness					
Do. for <i>1/4</i> at each end	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>5</i>	STEM, moulding and thickness	<i>4 x 5/8</i>		<i>4 x 5/8</i>		
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.	<i>4 x 1 1/4</i>		<i>4 x 1 1/4</i>		
Distance of Frames from moulding edge to moulding edge, all fore and aft		<i>24</i>			<i>24</i>	" for Propeller	<i>3 1/2</i>		<i>3 1/2</i>		
REVERSED FRAME, Angles <i>in 3 ft. space</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>5</i>	MAIN PIECE of Rudder diameter at head...	<i>2</i>		<i>2</i>		
DEEP FRAMING, depth of girder at ends	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>5</i>	do. at heel....					
FLOORS, depth and thickness of Floor Plate at mid-line for <i>1/2</i> length amidships	<i>8</i>		<i>6</i>	<i>8</i>	<i>6</i>	2 RUDDERS how constructed <i>Solid cast steel. Stocks keyed on</i>					
" in way of Engines and Boilers <i>Y. str.</i>			<i>4</i>		<i>4</i>	Can the Rudders be unshipped afloat? <i>No.</i>					
" thickness at the ends of vessel											
" depth at <i>3/4</i> the half breadth, as per Rule						KEELSONS AND STRINGERS.					
" height extended at the Bilges						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<i>11</i>		<i>4</i>	<i>11</i>	<i>4</i>
FLOORS & BRACKETS, in Cell Dble Bottoms						" Rider Plate... <i>Skew angles</i>	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>5</i>
" Distance apart						" Bulb Plate to Intercoastal Keelson					
CENTRE GIRDER, in Double Bottom, depth and thickness						" Horizontal Plates on Floors	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>
" Angles, Top						" Angles	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>
" Bottom						SIDE KEELSON, Angles					
SIDE GIRDERS, number and thickness						" Bulb or Plate above floors for length					
" Angles						" Intercoastal Plate for length					
MARGIN PLATE, depth (exclusive of flange) and thickness						" Attached to outside plating with Angle					
" Angles						BILGE KEELSON, Angles	<i>4 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>4 1/2</i>	<i>2 1/2</i>
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Bulb or Plate above floors for length					
" thickness in Engine and Boiler space						" Intercoastal Plate for length					
" Remainder in Holds						" Attached to outside plating with Angle					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>	BILGE STRINGER Angles					
" Angles on Upper Edge <i>Raised R.D.K.</i>	<i>4 1/2</i>	<i>2 1/2</i>	<i>7 1/2</i>	<i>4 1/2</i>	<i>3</i>	" Bulb Plate for length	<i>4 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>4 1/2</i>	<i>2 1/2</i>
" Average space						" Intercoastal Plate for length					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Attached to outside plating with Angle					
" Angles on Upper Edge						SIDE STRINGER Angles	<i>4 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>4 1/2</i>	<i>2 1/2</i>
" Average space						" Bulb or Intercoastal Plate for length					
BEAMS, Hold, Plate or Tee Bulb						" Attached to outside plating with Angle					
" Angles on Upper Edge						Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>20 1/2 - 9 1/2</i>	<i>6 - 4</i>	<i>20 - 9</i>	<i>5 - 4</i>	
" Average space						" Angle on ditto	<i>2 1/2 x 2 1/2</i>	<i>5</i>	<i>2 1/2 x 2 1/2</i>	<i>5</i>	
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Tie Plates fore & aft, outside Hatchways	<i>6</i>		<i>6</i>	<i>4</i>	
" Angles on Upper Edge						" Diagonal Tie Plates on Bms., No. of Pairs					
" Average space						" Main Dk* Iron or Steel for length					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb						" R. Q. Dk* Iron or Steel for length					
" Angles on Upper Edge						" Wood Deck, Material & thickness <i>PP</i>	<i>2 1/2</i>		<i>2 1/2</i>		
" Average space						Lower Deck Stringer Plate, breadth and thickness					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Angles on ditto, No.					
" Angles on Upper Edge						" Tie Plates, outside Hatchways					
" Average space						" Deck Material and thickness					
PILLARS, In 'tween Decks, Size and Spacing						Hold Stringer Plate					
" Hold	<i>1 1/2</i>	<i>48</i>		<i>1 1/2</i>	<i>48</i>	" Angles on ditto, No.					
" Quarter, 'tween Dks.,						Poop Deck Stringer Plate, breadth & thickness					
" in Hold						" Angle on ditto					
WEB FRAMES, In Fore Body, No. and Spacing						" Tie Plates					
" Brdth. & Thickness						" Deck, Material and thickness					
" No. of Side Stringers						Bridge Deck Stringer Plate, brdth & thickness					
WEB FRAMES, In E. & B. Space, No. & Spacing						" Angle on ditto					
" Brdth. & Thickness						" Tie Plates					
" No. of Side Stringers						" Deck, Material and thickness					
" Size of Angles or Tee Bars to Web Frames						Forecastle Deck Stringer Plate, brdth & thickness					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						" Angle on ditto					
						" Tie Plates					
						" Deck, Material and thickness					



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PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.		Lower EDGES.				BUTTS.						
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.	Spacing or to cr.			Diam.	Spacing or to cr.		Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL (If Bar Keel, state Riveting)	18	7/20	5/20	5/20	18	7/20							Double	3/4	3	14 1/2	8		
GARBOARD OR A Strake		4/16	3/16	3/16		4/16			Single	2 1/2	3/4	3	Double	5/8	2 1/4			4 1/2	Full
State actual thickness in way of Double Bottom.		4/16	3/16	3/16		4/16			Do	2 1/4	5/8	2 3/4	Do	"	"			"	"
B		4/16	3/16	3/16		4/16			Do	"	"	"	Do	"	"			"	"
C		4/16	3/16	3/16		4/16			Do	"	"	"	Do	"	"			"	"
D		4/16	3/16	3/16		4/16			Do	"	"	"	Do	"	"			"	"
Sheer or E	36	6/20	4/20	4/20	36	6/20			Do	"	"	"	Do	"	"			"	"
F																			
G																			
H																			
I																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING																			

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. *Siemens Martin*

Angles - *Lanarkshire*

Plates - *Mossend & Parkhead*

Main Stringer Plate Butts, *double* riveted for *full* length amidship.

Straps, *single, double or overlapped* for *full* length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, *treble or double* riveted? *T & D*

Inner Bottom Plating, riveting of Edges *Butts*

Centre Girder Butts, *riveted*. Keelson Butts, *treble* riveted.

Frames, riveted through Plates with *5/8* in. Rivets, about *4 1/2* apart.

Rivets, state whether of Iron or Steel *Steel in framing, remainder iron.*

FRAMES extend in one length from *middle line* to *deck stringer*

REVERSED FRAMES on floors and frames extend *from* to *side stringer and double across floors in E & B. space*

*Across floors at ends of vessel.*

	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS	Fore										
	Main										
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.	Suit of										

EQUIPMENT No. *3084* LETTER *a* TONNAGE FOR TRAWLERS *U.D.K.*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
37140	1st Bower	2	2	5	2	14	5	2	2	1	3	2	1	Ordinary 15.	Connop Bros	Neth. 20/12/95. H. Green	
	2nd	-	-	-													
	3rd	-	-	-													
	Collective weight																
	Stream	-	-	-													
	Kedge	-	-	-													
	2nd Kedge	-	-	-													

CHAIN CABLES.										HAWSERS AND WARPS.				
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
26955	60 1/2	10 1/16	10 1/2	12-2-4	29-0-14 1/2	120	15/16 stud	Connop Bros	Neth. 21/12/95	TOWLINE				
										HAWSER	60	5	-	75-52
										WARP	60	3	-	90-3
Iron Stream Chain or Steel Wire...	-	-	-	-			45-8/16							

Boats *one for run round to Carnarvon*

Pumps, Number *Four (one in eng room)* Diameter of Barrel and Tail Pipe *Two 4x2 Two 3x1 1/2 in peaks*

Windlass is *Crank lever by J.B. Seath & Co* Capstan ☒

Engine Room Skylights.—How constructed? *none*

What arrangements for deadlights in bad weather? ☒

Coal Bunker Openings.—How constructed? *cast iron* How are lids secured? ☒ Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *2 pair scuppers. 2 pr. 7 Ports. 16"x12" & 28 1/2"x6 1/2"*

Ceiling in Holds, thickness and material ☒ Ceiling 'tween Decks, thickness and material ☒

Cargo Hatchways.—How formed? *none* Hatches.—If strong and efficient? ☒

State size No. 1 Hatch (Forward) ☒ No. 2 Hatch ☒ No. 3 Hatch ☒ No. 4 Hatch ☒

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ☒

No. of Breasthooks *Deep floors* No. of Crutches *Deep floors*

Bulwarks, height above deck and description *3 ft. oak stanchions, pine sheathing* Main Rail, material and size *Elm 8x2 1/4*

The above is a correct description. *W. H. Cooper* Surveyor's Signature

Builder's Signature (Here only.) *W. H. Cooper* Surveyor to Lloyd's Register of British and Foreign Shipping.



114228 glos

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

M 3/10/95 7/10/95

E 7/11/95

Workmanship. Are the butts of plating planed or otherwise fitted?

planed

Is the riveted work properly closed?

yes

Are the liners between the frames and plates solid single pieces?

yes

Do the holes for riveting plate to frames, butt straps, or plate

to plate, &c., conform well to each other?

yes

Are the rivet holes well and sufficiently countersunk in the plate and punched

from the faying surfaces?

yes

Do any rivets break into or through the seams or butts of the plating?

a few

Are the butts of Plating, Stringers, &c., properly shifted and strapped?

yes

General Remarks (State quality of workmanship, &c.)

Workmanship good and efficient—

This is a double bowed paddle steamer for ferry purposes, and has been built in accordance with the approved midship section forwarded to London 7/2/96 the plans herewith (3) the Secretary's letters of the above dates and in general conformity to the Rules for the Class contemplated. The peak bulkheads decks and hand pumps have been tested as required.

1 Forging Report  
1 Steel Casting Report

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. or Break  $28\frac{2}{3}$  ft., Bridge Dk. ☒ ft., F'castle ☒ ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 1 Dk. 1 Tr. B.

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside

Cement & paint

Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system ☒

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, forward,			After peak tank,		
Double bottom, under Engines and Boilers,			Midship deep tank,		
Double bottom, if under Engines only,			Other tanks, if fitted,		
Double bottom, if under Boilers only,					

(If necessary, furnish further information by sketch.)  
State whether the above have been tested as required by the Rules

Order for Special Survey No. 2885

Date 4<sup>th</sup> Oct 1895

Order for Ordinary Survey No. ☒

Date

No. 297 in builder's yard

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

1895. Oct 22, 25, Nov 5, 12, 15, 21, 28 Dec 3, 12, 16, 24

1896. Jan 7, 16, 23, 30. Feb 1, 4, 13

Total No. of Visits 18

The amount of Entry Fee £ 1 : " : "

Special £ 4 : " : "

Certificate\* £ " : " : "

Travelling Expenses, if any £ " : " : "

Fees applied for

4/2 1896

Received by me

18/2 1896

\* Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed **A**—Steel for Ferry Purposes.

With, or without Freeboard, as condition of Class

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. FEB 21 1896

Character assigned

Time 2.96 A—Steel for ferry purposes  
10h

Hull Certificate.  
Written.



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Foundation

GLS 174-0100 (212)