

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

# COMPOSITE IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *no*  
Date of completion of Report *3<sup>rd</sup> February 1908*

No. *7331*  
TUES. 4 FEB 1908  
Received at London Office

Survey held at *Dundee*  
On the *Composite Screw Steamer PORTLETHEN*

Date, First Survey *14<sup>th</sup> August, '07*

Port of *Dundee*  
Last Survey *1<sup>st</sup> February 1908*  
Rig *Sloop*

TONNAGE under  
Tonnage Deck .. *121.67*  
Do. of Poop  
Do. of Raised Qr.  
Dk. or Break ..  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
Engine Room ..  
Gross Tonnage  
Less Crew Space  
Less above Crown of  
Engine Room ..  
TONNAGE FOR FEES ..  
Less Engine Room  
Less Navigation Spaces

ONE OR TWO DECKED VESSEL.

CLASS *\*10A1*  
For Coasting Purposes

Half Breadth (moulded) *10.75*  
Depth from upper part of Keel to top of Main Deck Bms. *10.67*  
(with the normal round up of beam)  
Girth of Half Midship Frame (as per Rule) *19.85*  
1st Number *41.27*  
Length on deck from after part of stem to fore part of stern post *82.02*  
2nd Number *3384.96*  
Proportions—Breadths to Length *3.81*  
Depths to Length—Main Deck to top of Keel *7.68*

Master *John Godsmann*  
Year of appointment *(1) As master in service of owner of present vessel:—1908 (2) As master of this vessel:—1908*

Built at *Dundee*  
When built *1908* Launched *18<sup>th</sup> Jan'y 08*  
By whom built *Dundee Shipbuilding Co. L.*  
Owners *The Aberdeen Lime Co. Ltd.*

Managers  
(Where necessary to be entered in Reg. Book.)  
Residence *Aberdeen*  
Port belonging to *Aberdeen*

Register Tonnage  
as cut on Beam ..

Destined Voyage *Aberdeen* If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule *82* Feet. *04* Inches. BREADTH—Moulded *21* Feet. *6* Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *9* Feet. *7* Inches. No. of Decks with Flat laid *one* No. of Tiers of Beams *one*  
Dimensions of Ship per Register, Length, *83.0* breadth, *22.3* depth, *9.37*. Moulded Depth, *10* ft. *2* ins. Round of Beam, Actual *6* ins.

FRAMING.	Inches in Ship.	Inches in Ship.	16ths or 32nds in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 32nds in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, <i>1 1/2</i> or <i>2</i> Bars, for $\frac{1}{2}$ length amidships	<i>3</i>	<i>3</i>	<i>1/16</i>	<i>2 3/4</i>	<i>2 3/4</i>	<i>6</i>	
Do. for $\frac{1}{2}$ at each end	<i>3</i>	<i>3</i>	<i>6</i>				
Do. in way of Double Bottoms at Solid Floors.							
Spacing of Frames from centre to centre	<i>18</i>		<i>18</i>				
REVERSED FRAME, Angles	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	
DEEP FRAMING, depth of girder							
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>13</i>		<i>5</i>	<i>13</i>	<i>5</i>		
in way of Engines and Boilers			<i>6</i>		<i>6</i>		
thickness at the ends of vessel			<i>5</i>		<i>5</i>		
depth at $\frac{1}{2}$ the half breadth, as per Rule	<i>12</i>		<i>6 1/2</i>		<i>32 1/2</i>		
height extended at the Bilges	<i>33</i>						
FLOORS & BRACKETS, in Cell Dble Bottoms							
state if flanged (top & bottom)							
Spacing							
CENTRE GIRDER, in Double Bottom, depth and thickness							
Angles, Top	<i>7 1/2</i>	<i>3 1/2</i>	<i>8/20</i>				
Bottom	<i>4</i>	<i>4</i>	<i>8/20</i>	<i>4</i>	<i>4</i>	<i>8/20</i>	
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)							
Angles							
MARGIN PLATE, depth (exclusive of flange) and thickness							
Angles to Outside Plating							
Floors							
Height of Floors at the Bilges							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
thickness in Engine and Boiler space							
Remainder in Holds							
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>4</i>	<i>2 1/2</i>	<i>8/20</i>	<i>4</i>	<i>2 1/2</i>	<i>8/20</i>	
Angles on Upper Edge							
Spacing	<i>18</i>		<i>18</i>				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
PILLARS, In 'tween Decks, Size and Spacing							
Hold	<i>2 1/2</i>	<i>36</i>	<i>2 1/2</i>	<i>36</i>			
Quarter, 'tween Dks., in Hold							
WEB FRAMES, In Fore Body, No. and Spacing							
Brth. & Thickness							
No. of Side Stringers							
WEB FRAMES, In E. & B. Space, No. & Spacing							
Brth. & Thickness							
WEB FRAMES, In After Body, No. and Spacing							
Brth. & Thickness							
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.

KEEL, Bar or Side Plates depth and thickness *6 x 1 3/4*  
STEM, moulding and thickness *5 1/4 x 2 1/2*  
STERN-POST for Rudder do. do. *Nº 1437-A* *5 1/4 x 2 1/2*  
for Propeller *J.P.* *5 1/4 x 2 1/2*  
MAIN PIECE of Rudder, diameter at head *3 1/2*  
do. at heel *3 1/2*

RUDDER, how constructed *Built 14" Single Plate*  
Can the Rudder be unshipped afloat? *yes*

## KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate *8*  
Rider Plate *6*  
Bulb Plate to Intercoastal Keelson *8*  
Horizontal Plates on Floors *Double B.A.*  
Angles *7 1/2 3 1/2 8/20 3 2 1/2 8*  
SIDE KEELSON, Angles *(5 1/2 3 1/2 8) (2 1/2 2 1/2 7)*  
Bulb or Plate above floors for lng. *Single*  
Intercoastal Plate for *3/4 th* length *6*  
Attached to outside plating with Angle *3 3 7 2 3/4 2 3/4 7*  
BILGE KEELSON, Angles *6*  
Bulb or Plate above floors for lng. *6*  
Intercoastal Plate for length *6*  
Attached to outside plating with Angle *6*  
BILGE STRINGER Angles *6*  
Bulb Plate for length *6*  
Intercoastal Plate for length *6*  
Attached to outside plating with Angle *6*  
SIDE STRINGER Angles *5 4 9 (3 3 7)*  
Bulb or Intercoastal Plate for lng. *6*  
Attached to outside plating with Angle *6*

Main and Raised Quarter Deck Stringer Plate, breadth and thickness *21 6/16 18 6/16*  
Angle on ditto *3 x 3 6/16 3 x 3 6/16*  
Tie Plates, outside Hatchways *8/20 8/20*  
Diagonal Tie Plates on Bms., No. of Pairs *8-6*  
Main Dk\* *Iron* Steel for *3/4 th* lng. *8/20 7/20 6/20*  
R. Q. Dk\* *Iron* or Steel for lng. *8-6*  
Wood Deck, Material & thickness (ends) *P. Pine 5 x 2 1/2 3"*  
Lower Deck Stringer Plate, breadth and thickness *21 6/16 18 6/16*  
Angle on ditto, No. *3 x 3 6/16 3 x 3 6/16*  
Tie Plates, outside Hatchways *8/20 8/20*  
Deck\* Material and thickness *8-6*  
Hold Stringer Plate *3"*  
Angle on ditto, No. *3"*  
Poop Deck Stringer Plate, breadth & thickness *21 6/16 18 6/16*  
Angle on ditto *3 x 3 6/16 3 x 3 6/16*  
Tie Plates *8/20 8/20*  
Deck, Material and thickness *8-6*  
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness *21 6/16 18 6/16*  
Angle on ditto *3 x 3 6/16 3 x 3 6/16*  
Tie Plates *8/20 8/20*  
Deck, Material and thickness *8-6*  
Forecastle Deck Stringer Plate, brdth & thcknss *21 6/16 18 6/16*  
Angle on ditto *3 x 3 6/16 3 x 3 6/16*  
Tie Plates *8/20 8/20*  
Deck, Material and thickness *8-6*

\* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.	In Vessel.	Per Rule.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
				Horizontal.	Vertical.	Size.	Spacing.		
W.T. BULKHEADS	<i>3</i>	<i>3</i>	<i>7/20 none</i>	<i>3 1/2 x 3 1/2</i>	<i>6</i>	<i>28</i>	<i>4 x 4 1/2</i>	<i>Deck</i>	
PARTITION									
LONGITUDINAL									

Are the outside Plates doubled two spaces of Frames in length? *Composite*  
Are the Sluice Valves and Watertight Doors in efficient working order? *yes*

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
		AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.	
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
		Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	16ths or 20ths.	Inches.	Feet.	
FLAT PLATE KEEL .....		21	10/20	8/20	8/20	21	10-8						3R-full	7/8	3 1/2		9	full	
(If Bar Keel, state Riveting)													2R - "	3/4	2 3/8		7 1/2		
GARBOARD OR A STRAKE ...		16	6/20	(Side Keelson)		16	6-5						2R - "	"	"		9/20		
State actual thickness in way of Double Bottom.													2R - "	"	"		7/16		
B " ...		16	8/20	7/20	7/20	16	16-7/16						2R-full	7/8	3		6	full	
C " ...		5	6/16	(Diagonals)		5	6/16												
D Sheer ...		52	8/16	7/16	7/16	51	8-7/16												
E " ...																			
F " ...		Boss plate 3/4; Other plates on post & stem 6/20																	
G " ...																			
H " ...																			
J " ...																			
K " ...		Keel 12x5" Am Elm																	
L " ...		Bottom to 3/4 Hdd 10x4 " Elm																	
M " ...		2nd Hdd to Belting 10x4 Pitch Pine																	
N " ...		At Stem & post Oak on felt																	
O " ...																			
P " ...																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges .....																			
of Sheerstrakes .....																			
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. ? *Plates:- Steel Co Scotland; Dowlais Co*

*D. Colville & Sons: Glasgow Iron & Steel Co*

*Angles:- Glasgow I. & S. Co; Lanarkshire I. & S. Co; Steel Co of Scotland*

Has the Steel been tested as required by the Rules. *yes*

**Main Stringer Plate** { Butts, treble 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? *yes*

**Inner Bottom Plating, riveting of Edges** *Butts*

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

**Frames, riveted through Plates with** *3/4* in. Rivets, about *5 1/2* apart.

**Rivets, state whether of Iron or Steel** *iron*

  

**FRAMES** extend in one length from *Keel* to *under side deck stringer plate*

**REVERSED FRAMES** on floors and frames extend from *middle line to upper turn of bilge and deck alternately*

state if ordinary or joggled *ordinary*

state if ordinary or joggled *ordinary*

  

MASTS, SPARS, &c.											
	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 .....	<i>P. Pine</i>									
	Main .....										
	Mizen .....										
Bowsprit	<i>none</i>										
Topmasts, Yards and Remainder of Spars	<i>P. Pine</i>										
Rigging, Material and Size, Shrouds	<i>3 @ 2 1/2 steel wire</i>										
Sails.	<i>one</i> Suit of										

  

Equipment No. *Letter*

*615/150 tons*

**ANCHORS.**

Tonnage U.Dk. or Plating No. for Trawlers

  

Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
32400	1st Bower ..	4	1	10	1	0	14	6	15	0	0	4	1	0	<i>Iron Stock</i>	<i>S. Taylor &amp; Sons Tipton</i>	<i>12.10.07</i>
32401	2nd " ..	4	1	0	1	0	12	6	12	2	0	4	1	0	<i>do</i>	<i>do</i>	<i>12.10.07</i>
	3rd " ..																
	Collective weight	8	2	10								8	2	0			
	Stream ....	1	1	0	1	1	0	3	4	3	0	1	1	0	<i>Iron Stock</i>	<i>Tipton</i>	<i>7/3/08</i>
	Kedge .....	2	0		1	4						2	0	<i>Iron Stock</i>	<i>B. B. Perrins</i>		

  

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and size per Table 22.					
	Length.	Diam.		Supplied.	Per Table 22.						Length.	Diam.		Length.	Cir.	Length.	Cir.		
33023	120	3/4	10 1/2	15 1/2	34.3.22	34.2.7	120	3/4	<i>Steel</i>	<i>S. Taylor &amp; Sons Tipton</i>	15.10.07	<i>C. B. Perrins</i>	<i>Suplt</i>	TOWLINE	75	6	75	6	
														HAWSERS & WARPS	90	4	90	4	
Iron Stream Chain	45	2	7				45	2	<i>W. wire</i>										

  

**Boats** *one*

**Pumps, Number** *3*

**Windlass is** *combined steam winch & windlass*

**Engine Room Skylights.**—How constructed? *Iron with teak lids*

What arrangements for deadlights in bad weather? *Strong glass bull's eyes*

**Coal Bunker Openings.**—How constructed? *8' x 3' x 3/2" Bull Angle* How are lids secured? *chains &c*

Number of **Scuppers**, and number and dimensions of **Freeing Ports**, &c. *3 Scuppers & 4 ports 24" x 18" on each side*

**Ceiling in Holds**, thickness and material *2 1/2" W. pine*

**Cargo Hatchways.**—How formed? *plates and angles*

State size **No. 1 Hatch** (Forward) *21'-0" x 12'-0"* **No. 2 Hatch** *—* **No. 3 Hatch** *—* **No. 4 Hatch** *—*

Number of **Web Plates, Shifting Beams**, and **Fore and Afters** to each Hatch *2 web 8/20 + 3 fore & afters, Centre 7' x 7" P. Pine*

**Bulwarks**, height above deck and description *4'0" x 5/20" Bull plate stays 6 x 5/20* Main Rail and Stays, material and size *5 x 2 1/2 x 1/2 B.A*

The above is a correct description.

Builder's Signature (here only).

Diameter of Barrel *4"*

State whether they are in efficient working order *yes*

**Capstan** *—*

**Hatches.**—If strong and efficient? *yes, 2 1/2 solid*

**No. of Breasthooks** *2* **No. of Crutches** *one*

Surveyor's Signature *W. Morrison & M. Blackwood*

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

  

Rpt. 1A.

THE DUNDEE SHIPBUILDING CO., LTD.,

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

*M-(to Abn office) 2.5.07 & E-3.10.07*

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

Is the riveted work properly closed? *yes*

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

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

from the faying surfaces? *yes*

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

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

Do any rivets break into or through the seams or butts of the plating? *no*

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? *yes*

State results of tests *X*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes*

State results of tests *X*

General Remarks (State quality of workmanship, &c.) *This vessel has been built under Special Survey in accordance with the approved plans, the Secretary's letter, and in general conformity with the Rules for the class contemplated. The materials and workmanship are sound and good.*

*The small portion of deck planking at the ends has, through a mistake, been laid with 2½" deck planks instead of 3". The Builders state that they regret this error, and in view of the very small amount which the vessel is over the size requiring 2½" planks, hope that the Committee will see their way to accept the small portion of the deck as laid in this instance. Under the circumstances the Builders proposal is respectfully submitted for favourable consideration.*

*The vessel has now left for Aberdeen where it is proposed to complete the survey in accordance with the list attached hereto, and to fit the machinery on board. The Builders and Aberdeen Surveyors have been advised of what is required to complete the survey.*

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 *✓* 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

*Flush Deck*

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 Stk (ft-stk)*

Official No. *✓*; Signal Letters *✓*

State if Machinery is fitted aft *Machinery aft*

How are the surfaces preserved from oxidation? Inside *Portland cement and paint* Outside *paint + tar*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *✓*

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

Total capacity of double bottom

(If necessary, furnish further information by sketch.)

\* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules *✓*

Order for Special Survey No. *788*

Date *22<sup>nd</sup> Aug. 07*

No. *196* in builder's yard

DATES of Surveys held while building

*1907*  
*Aug. 14. 19. 23. 28. Sept. 5. 10. 17. 20. 21. 26. Octo. 4. 15. 24. 30. Nov. 5. 13. 18. 21. 23. 25. 28. 30*  
*1908*  
*Decr. 3. 6. 11. 16. 18. 23. 26. 27. 31. Jan. 8. 14. 17. 18. 22. 24. 28. 30. 31. Feb. 1.*

Total No. of Visits *41*

The amount of Entry Fee .....£ *1:0:0*  
Special.....£ *7:0:0*  
Travelling Expenses, if any £ *✓*

Fees applied for, *3/2/1908*  
Received by me, *29/2/08*

Certificate to be sent to *Lundee office*

State whether the Vessel has been built under Special Survey *yes*

*we are* of opinion this Vessel should be Classed *IOA1 For Coasting Purposes*

With, or without Freeboard, as condition of Class *When the survey has been completed* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned

*IOA1*

*for Coasting purposes*  
*"Iron frame planked"*

*G. J. J. Lloyd arb. + Lm. 6.2.08*

*Write Abn*

*W* NULL CERTIFICATE WRITTEN 12/3/08



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Lloyd's Register

Foundation