

Received from

3 Decks

Surveyor.

DEC 1900

IRON OR STEEL STEAMER.

TUES. DEC 11 1900

No. 18514

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

Yes

Date of completion of report

Dec 4th 1900

Port of Glasgow

Received at London Office

Date, First Survey

10 January 1900

Last Survey

27 November 1900

Vessel held at

Glasgow

the

Shed Seven Steamer

DUNBAR

Rig

Schooner (2 masts)

Tonnage under

3411.89

THREE DECKED VESSEL.

CLASS 100A1.

FEET.

Half Breadth (moulded) 22.41
Depth from upper part of Keel to top of Upper Deck Beams 29.41
Girth of Half Midship Frame (as per Rule) 148.8
deduct 7 feet 100.62
1st Number 93.62
Length 352.00
2nd Number 329.54
Proportions—Breadth to Length 7.84
Depth to Length—Upper Deck to top of Keel 11.95
Main Deck ditto 16.38

Master

A. J. Campbell

Year of appointment

(1) As Master in service of owner of present vessel—1884
(2) As Master of this vessel—1900

Built at

Glasgow

When built

1900 Launched 21 Sept.

By whom built

B. Connell & Co.

Owners

Dunedin Steam Ship Co. Ltd.

Managers

Henderson & Mc Intosh

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

Residence

Leith

Port belonging to

Leith

Destined Voyage

New York

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

Length on Deck 352.00 Feet. Inches. BREADTH—Moulded 44.10 Feet. Inches. DEPTH top of Floor to Upper Deck Beams 25.11 Feet. Inches. Main Deck Beams 17.11
Moulded depth, ft. 28 ins. 6 To Upper Dk. Beam, Upper Dk. 11 ins.

Dimensions of Ship per Register, Length 355.1 breadth 45.0 depth 25.8

FRAMING.				FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule.	
ME, Angles, or Bars for 1/2 length amidships	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	20ths per Rule.	KEEL, Bar or Side Plates, depth and thickness	Inches in Ship.	Inches per Rule.	20ths in Ship.	Inches per Rule.	20ths in Ship.
for 1/2 at each end	5 1/2	3 1/2	9	5 1/2	3 1/2	STEM, moulding and thickness	11 x 27/8	11	27/8	11	27/8
in way of Double Bottoms at Solid Floors	5 1/2	3 1/2	8	5 1/2	3 1/2	STERN-POST for Rudder do. do.	11 x 6 3/4	11	6 3/4	11	6 3/4
at intermdt. Dkts.	3 1/2	3 1/2	9	3 1/2	3 1/2	MAIN PIECE of Rudder, diameter at head	9	9		9	
" of Frames from moulding edge to building edge, all fore and aft	24			24		" do. at heel	6 3/4			6 3/4	
VERSED FRAME, Angles	4	3 1/2	9	4	3 1/2	RUDDER, how constructed	Large frame & single plate 27/8				
BP FRAMING, depth of girder						Can the Rudder be unshipped afloat?	Yes				
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						KEELSONS & STRINGERS.					
in way of Engines and Boilers						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
thickness at the ends of vessel						" Rider Plate					
depth at 1/2 the half breadth, as per Rule						" Bulb Plate to Intercoastal Keelson					
height extended at the Bilges						" Horizontal Plates on Floors					
DOORS & BRACKETS in Cell Dble Bottoms	8/20	9/20	6/8	8/20	9/20	" Angles					
Distance apart	24			24		SIDE KEELSON, Angles					
CENTRE GIRDER, in Double bottom, depth and thickness	13 1/2	10		13 1/2	10	" Bulb or Plate above floors, for length					
" Angles, Top	4	4	9	4	4	" Intercoastal Plate, for length					
" Bottom						" Attached to outside Plating with Angle					
DE GIRDERS, number and thickness	One	8.9		One	8.9	BILGE KEELSON, Angles					
" Angles	3 1/2	3 1/2	8.9	3 1/2	3 1/2	" Bulb or Plate above floors, for length					
MARGIN PLATE, depth (exclusive of flange) and thickness	37	9.10		37	9.10	" Intercoastal Plate for length					
" Angles	4	4	9	4	4	" Attached to outside Plating with Angle					
LOWER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	10.11		36	10.11	BILGE STRINGER Angles					
" in Engine and Boiler space	10/20	11/20	10/20	10/20	11/20	" Bulb Plate for length					
" Remainder in Holds	8.7			8.7		" Intercoastal Plate for length					
AMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	10		11	10	" Attached to outside Plating with Angle	6 1/2	4 1/2	12	6 1/2	4 1/2
" Angles on upper edge	3 1/2	3 1/2	7	3 1/2	3 1/2	SIDE STRINGER Angles	4	3 1/2	9	4	3 1/2
" Average space	48			48		" Bulb or Intercoastal Plate, for full length	18	9	18		
AMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	12		11	12	" Attached to outside plating with Angle	4	3 1/2	9	4	3 1/2
" Angles on upper edge	3 1/2	3 1/2	8	3 1/2	3 1/2	Upper Deck Stringer Plates, br'dth & thickness	55	10	55		
" Average space	48			48		" Angle on ditto	4 1/2 x 4 1/2 x 11			4 1/2 x 4 1/2 x 11	
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	3	9	8	3	" Tie Plates fore and aft, outside Hatchways					
" Angles on upper edge	48			48		" Deck, * Iron or Steel, for full length	8.7			8.7	
" Average space						" Wood Deck, Material & thickness					
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	8	3	9	8	3	Middle Deck Stringer Plate, br'dth & thickness	55	10	55		
" Angles on upper edge	48			48		" Angles on ditto, No.	4 x 4 x 9			4 x 4 x 9	
" Average space						" Tie Plates outside Hatchways					
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	8	9 1/2	9 1/2	8	" Diagonal Tie Plates on Bms, No. of prs.					
" Angles on upper edge	3	3	6	3	3	" Deck, * Iron or Steel, for full length	8.7			8.7	
" Average space	48			48		" Wood Deck, Material & thickness					
CLARS, In 'tween Deck, size and spacing	22	48		22	48	Lower Deck Stringer Plate, br'dth & thickness					
" Hold	44	48		44	48	" Angles on ditto, No.					
" Quarter 'tween Dks.,						" Tie Plates, outside Hatchways					
" in Hold						" Deck, * Material and thickness					
WEB-FRAMES, In Fore Body, No. and spacing	10	6 spaces		10	6 spaces	Hold, or Orlop Stringer Plate, br'dth & thckn's					
" brdth. & thickness	18	9		18	9	" Angles on ditto, No.					
" No. of Side Stringers	Two			Two		" Tie Plates outside Hatchways					
WEB-FRAMES, In E. & B. Space, No. & spacing	5	4 x 3 spaces		5	4 x 3 spaces	" Deck, Material and thickness					
" brdth. & thickness	18	9		18	9	Poop Deck Stringer Plate, breadth & thickness					
WEB-FRAMES, In After Body, No. and spacing	8	6 spaces		8	6 spaces	" Angle on ditto	3 1/2 x 3 x 7			3 1/2 x 3 x 7	
" brdth. & thickness	18	9		18	9	" Tie Plates	12	7		12	
" No. of Side Stringers	Two			Two		" Deck, Material and thickness	P.P.			3	
" Size of Angles or Tee Bars to Web-Frames	6 1/2	4 1/2	12	6 1/2	4 1/2	Bridge Deck Stringer Plate, br'dth & thickness					
BRACKET PLATES to Stringers between)	18	18	9	18	18	" Angle on ditto	40	8		40	
						" Tie Plates	3 1/2 x 3 x 9			3 1/2 x 3 x 9	
						" Deck, Material and thickness	12	7		12	
						" Poop Deck Stringer Plate, breadth & thickness	27	7		27	
						" Angle on ditto	3 1/2 x 3 x 7			3 1/2 x 3 x 7	
						" Tie Plates	12	7		12	
						" Deck, Material and thickness	P.P.			3	
						Forecastle Deck Stringer Plate, br'dth & th'kns					
						" Angle on ditto	27	7		27	
						" Tie Plates	3 1/2 x 3 x 9			3 1/2 x 3 x 9	
						" Deck, Material and thickness	12	7		12	
							3			3	

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		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	36	20	13	13	36	20	Shl	6	1	4	2nd	1	3 1/2			14	full		
GARBOARD OF A STRAKE	36	15	12	12	36	15	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
B "		11	9	9		11	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
C "		11	9	9		11	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
D "		11	9	9		11	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
E "		13	10	10		13	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9 1/2	"		
F "		13	10	10		13	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9 1/2	"		
G "		13	10	10		13	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9 1/2	"		
H "		12	9	9		12	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
J "		12	9	9		12	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
K "		12	9	9		12	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
L "		12	9	9		12	Shl	5 1/2	7/8	3 3/4	1st	7/8	3 1/8			9	"		
M "		14	9	9		14	Shl	6	1	4	2nd	1	3 1/2			10 1/2	"		
Shear or N "	44	15	10	10	44	15	S									14	"		
O "																			
P "																			
Q "																			
R "																			
DOUBLING OF PLATE KEEL																			
Length and thickness of Bilges 20 ft at end of Bridge																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES		9 1/2	7		7	7	Single	3	7/8	3 3/4	Shl	3/4	2 3/8			5	full		
BRIDGE SIDES		9 1/2	7		7	7	Single	3	7/8	3 3/4	Shl	3/4	2 3/8			7 1/2	full		
FORECASTLE SIDES			7		7	7	Single	3	7/8	3 3/4	Shl	3/4	2 3/8			5	full		
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, Plating, &c. ?																			
Siemens Process, Dazell, Vallis, Coldchamber, Parkhead, Gleditsie, Lanarkshire, Mosses																			
FRAMES extend in one length from margin plate to mid line & from margin plate to upper, poop bridge & forecastle decks.																			
REVERSED FRAMES on floors and frames extend from mid line to margin plate & from margin plate to upper & mid decks.																			
To mid & forecastle & No alt. All to upper deck in aft peak. Sole across floors in S.B. Space.																			
MASTS, SPARS, &c.																			
Material, Total Length, Diameters and Thickness, No. of Plates in round, ANGLES, RIVETING.																			
LOWER MASTS: Fore Main Mizzen																			
Bowsprit, Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds, Stays, Sails, and the following spare sails																			
EQUIPMENT No. 37631. LETTER "W". 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.																			
39630 1st Bower, 39531 2nd, 39576 3rd, 39660 Stream, 43952 Kedge, 2nd Kedge																			
CHAIN CABLES.																			
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.																			
15377 135 2 1/2, 15622 135 2 1/2																			
Iron Steam Chain or Steel Wire																			
Boats, Pumps, Windlass, Engine Room Skylights, What arrangements for deadlights in bad weather? Coal Bunker Openings, Number of Scuppers, and numbers and dimensions of Freeing Ports, &c., Ceiling in Holds, thickness and material, Cargo Hatchways, 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, Bulwarks, height above deck and description, The above is a correct description, Braider's Signature, Surveyor's Signature																			

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

9/10/99, 14/10/99, 24/10/99, 18/11/99

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

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 plating? A few only

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

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

The workmanship throughout is good. This vessel has been built in accordance with the approved plans, the Secretary's letters referred to and in general conformity with the requirements of the Rules for the class contemplated.

The hand pumps, watertight doors & decks have been tested as required & found satisfactory.

N.B. This is practically a sister vessel to the "Oronsay" S.S. report No. 18295.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34 ft., R.Q.D. or Break ft., Bridge Dk. 106 ft., F'castle 36 ft. (in feet and tenths). When the Poop 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) 2 Sts (Steel) & 1 Wood

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland cement & Paint Outside Paint

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	114	277	Fore peak tank,		
Double bottom, forward,	152	408	After peak tank,		62
Double bottom, under Engines and Boilers,	38	116	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. Yes

Order for Special Survey No. 2342 Date 27/10/99

Order for Ordinary Survey No. Date

No. 256 in builder's yard.

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

Total No. of Visits 71

The amount of Entry Fee £ 5: : 6/12/1900

Special Survey Fee £ 114: 6: 6

Travelling Expenses, if any £ : : 8/12/1900

Fees applied for, Received by me, Thomas Warren & Co.

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

Committee's Minute Glasgow. 10 DEC 1900

Character assigned + 100 H1 (Steel) S.C.P.