

Awning or Shelter Deck,
or Pt. Awning Deck.

STEEL STEAMER.

No. 65661

Port of Liverpool Date of completion of Report 4 APR 1911
Survey held at Birkenhead Date, First Survey 29 Dec 09 Last Survey 28 Nov 1911
On the S/S HIGHLAND LOCH Rig Schooner

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

Received at London Office

SAT. 8 APR 1911

TONNAGE under
Tonnage Deck... 1641.27
Do. between Tonnage Dk. and
3rd, 4th, or Awning Dk. 1641.27
Total under Upper Dk. 4897.40
Do. of Poop...
Do. of R. Qr. Dk. 911.76
Do. of Bridge House...
Do. of Forecastle...
Do. of Houses on Deck...
Do. of excess of Hatchways...
Do. above Crown of...
Engine Room... 7493.14
Gross Tonnage... 229.76
Less Crew Space... 42.71
Less above Crown of...
Engine Room... 7220.67
TONNAGE FOR FEES... 2397.8
Less Engine Room... 135.9
Less Navigation Spaces...

CLASS 100A1 Shelter Dk with pub
Breadth (greatest moulded) 55.99
Depth, at middle of length from top of keel to top of
beams at side of uppermost Continuous Deck 37.64
Deduct height of tween deck when this does not exceed 8ft. 8.00
Transverse Number 85.63
Length on deck from fore part of stem to after part of
sternpost 414
Longitudinal Number 35450.82
Depth "d" at middle of length. See Secs. 2 & 13... 11.18
Proportions. Depth to Length, Uppermost Continuous
Deck at side to top of keel... 10.99
" " Upper Deck at side
to top of keel... 13.96

Master Jones
Year of Appointment 1911-3
Built at Birkenhead
When built 1911-3 Launched 17 Jan 1911
By whom built Messrs Gammell Laird & Co.
Owners Nelson Line (Liverpool) Ltd.
Managers H & W Nelson Ltd Mgrs.
Residence Liverpool
Port belonging to London

Register Tonnage 4729.68
as cut on Beam...

Destined Voyage Buenos Ayres If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of	Ft.	Ins.	No. of Decks with flat laid
Deck as per Rule	414	0	Moulded	55	11 3/4	Do.	do.	27	1 1/2	4
Dimensions of Ship per Register,										
Length	413.8		breadth	56.7		depth	27.10			

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, <u>Angles or Bars</u> , <u>midships</u> ...	8 1/2	3 1/2	48	8 1/2	3 1/2	48
Do. in peaks...	6 1/2	3 1/2	38	6 1/2	3 1/2	38
Do. in way of Double Bottoms at Solid Floors...	3 1/2	3 1/2	42	3 1/2	3 1/2	42
Spacing of Frames from centre to centre amidships...	26			26		
" length to collision bulkhead...	26			26		
" of Frames from centre to centre in peaks...	24			24		
REVERSED FRAME, <u>Angles</u> ...	3 1/2	3 1/2	46	3 1/2	3 1/2	46
FRAMING, depth of girder...	9 1/2			9 1/2		
FLOORS, depth and thickness of Floor Plate...						
" at mid-line for 1/2 length amidships...						
" in way of Engine and Boiler spaces...						
" thickness at the ends of vessel...						
" depth at 1/2 the half-bdth. as per Rule...						
" height extended at the Bilges...						
FLOORS & BRACKETS, in Cell Dble Bottoms...	44	4		44	4	
" state if flanged (top & bottom)...	26			26		
" spacing...	44	5 1/2		44	5 1/2	
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness...	3 1/2	3 1/2	52	3 1/2	3 1/2	52
" Angles, Top...	4 1/2	4 1/2	6	4 1/2	4 1/2	6
" " Bottom...	5	5	58	5	5	58
" " to Floors...	36	36	5	36	36	5
SIDE GIRDERS, number and thickness...	No			No		
" state if flanged (top & bottom)...	3 1/2	3 1/2	42	3 1/2	3 1/2	42
" Angles...	39	48		39	48	
MARGIN PLATE, depth (exclusive of flange)...	4	4	48	4	4	48
" and thickness...	5	3 1/2	42	5	3 1/2	42
" Angles to outside plating...	26			26		
" to floors...	44	52		44	52	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake...	5E	56	B	5E	56	B
" thickness in Engine and Boiler space...	4	4	36	4	4	36
" Remainder in Holds...	7	3	42	7	3	42
BEAMS, <u>Awning or Shlter Dk</u> , Single Angle...						
" Bulb Angle, Plate, Tee Bulb or Channel...						
" Angles on upper edge...	26			26		
" Spacing...	40	8	3 1/2	40	8	3 1/2
BEAMS, Upper or Second Deck, Single Angle...	40	8	3 1/2	40	8	3 1/2
" Bulb Angle, Plate, Tee Bulb or Channel...	3	46	8	3	46	8
" Angles on upper edge...	52	26	52	52	26	52
" Spacing...	40	8	3 1/2	40	8	3 1/2
BEAMS, Third or Fourth Deck, Single Angle...	40	8	3 1/2	40	8	3 1/2
" Bulb Angle, Plate, Tee Bulb or Channel...	3 1/2	48	8 1/2	3 1/2	48	8 1/2
" Angles on upper edge...	52	26	52	52	26	52
" Spacing...	40	8	3 1/2	40	8	3 1/2
BEAMS, Fourth or Fifth Deck, Plate, Tee...	8	3 1/2	52	8	3 1/2	52
" Bulb or Channel...						
" Angles on upper edge...	52			52		
" Spacing...						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate...						
" Tee Bulb or Channel...						
" Angles on upper edge...						
" Spacing...						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate...						
" Tee Bulb or Channel...						
" Angles on upper edge...						
" Spacing...						
BEAMS, Forecastle Deck, Angle, Bulb Angle...						
" Plate, Tee Bulb or Channel...						
" Angles on upper edge...						
" Spacing...						
PILLARS, In 'tween Deck, size and spacing...	2 1/2	2 1/2	3 1/2	2 1/2	2 1/2	3 1/2
" Hold...	4	52		4	52	
" Quarter, 'tween Dks., " "...						
" in Hold...						
WEB-FRAMES, In Fore Body, No. and spacing...						
" brdth. & thickness...						
" No. of Side Stringers...						
WEB FRAMES, In E. & B. Space, No. & spacing...						
" brdth. & thickness...						
WEB FRAMES, In After Body, No. and spacing...						
" brdth. & thickness...						
" No. of Side Stringers...						
" Size of Face Angles to Web Frames...						
BRACKET PLATES to Stringers between Web Frames, depth and thickness...						

FORGINGS AND CASTINGS.		Inches in Ship.		Inches per Rule. Or as Approved.				
KEEL, Bar, depth and thickness.....		10 x 2 7/8		10 x 2 7/8				
STEM, moulding and thickness		9 x 8		9 x 8				
STERN-POST for Rudder do. do.		11 1/2 x 7 1/8		11 1/2 x 7 1/8				
" " for Propeller.....		49 x		10				
RUDDER—A x D* Table 22		10		10				
" Main Piece, diameter at head		7 1/2		7 1/2				
" " " " at heel								
RUDDER, how constructed		Single plate 1.08 (no app)						
Can the Rudder be unshipped afloat?		Yes						
KEELSONS AND STRINGERS.		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.	
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate).....		✓	✓	✓	✓	✓	✓	
" Rider Plate		✓	✓	✓	✓	✓	✓	
" Flat Keel Plate Angles		✓	✓	✓	✓	✓	✓	
" Horizontal Plates on Floors		✓	✓	✓	✓	✓	✓	
" Angles or Bulb Angles.....		✓	✓	✓	✓	✓	✓	
SIDE KEELSONS, Number.....		✓	✓	✓	✓	✓	✓	
" Angles or Bulb Angles		✓	✓	✓	✓	✓	✓	
" Plate above floors, for length.....		✓	✓	✓	✓	✓	✓	
" Intercoastal Plate, for length.....		✓	✓	✓	✓	✓	✓	
" Attached to outside plating with Angle....		✓	✓	✓	✓	✓	✓	
BILGE KEELSON, Angles.....		✓	✓	✓	✓	✓	✓	
" Intercoastal Plate, for length.....		✓	✓	✓	✓	✓	✓	
" Attached to outside plating with Angle ..		✓	✓	✓	✓	✓	✓	
SIDE STRINGERS, Number One in way.....		7 3 1/2	5 7	3 1/2	5			
" Angle.....		44			44			
" Intercoastal Plate, for lng.....		Flanged						
" Attached to outside plating with Angle								
Awning or Shelter Deck Stringer Plates, } breadth and thickness		56	56	56	56			
" Angle on ditto		36	44	36	44			
" Tie Plates, fore and aft, outside Hatchways.....		5 x 5 1/2	3 1/2 x 48	5 x 5 1/2	3 1/2 x 48			
" Deck * Iron Steel, for Full lng.....		4 to	34	4 to	34			
" Wood Deck, Material & thickness.....								
Upper or Second Deck Stringer Plate, } breadth and thickness		48	48	48	48			
" Angles on ditto, No.....		3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48			
" Tie Plates, outside Hatchways		✓	✓	✓	✓			
" Deck * Iron Steel, for Full lng.....		4 to	3	4 to	3			
" Wood Deck, Material & thickness.....								
Third Deck Stringer Plates, br'dth & th'kns.....		48 x 44	36 x 44	48 x 44	36 x 44			
" Angles on ditto, No.....		3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48			
" Tie Plates, outside Hatchways		✓	✓	✓	✓			
" Deck * Material and thickness STEEL.....		34 to	3	34 to	3			
Fourth and Fifth Deck Stringer Plate, } breadth and thickness		54	44	54	44			
" Angles on ditto, No.....		3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48			
" Tie Plates, outside Hatchways		✓	✓	✓	✓			
" Deck, Material and thickness STEEL.....			3		3			
Poop Deck Stringer Plate, breadth & thickness.....		✓	✓	✓	✓			
" Angles on ditto.....		✓	✓	✓	✓			
" Tie Plates		✓	✓	✓	✓			
" Deck, Material and thickness.....		✓	✓	✓	✓			
Bridge Deck Stringer Plate, br'dth & thickness.....		✓	✓	✓	✓			
" Angle on ditto		✓	✓	✓	✓			
" Tie Plates		✓	✓	✓	✓			
" Deck, Material and thickness.....		✓	✓	✓	✓			
Forecastle Deck Stringer Plate, br'dth & th'kns.....		✓	✓	✓	✓			
" Angle on ditto		✓	✓	✓	✓			
" Tie Plates		✓	✓	✓	✓			
" Deck, Material and thickness.....		✓	✓	✓	✓			
* 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 up.
		In Vessel.	Per Rule.	Horizontal.		Vertical.		
				Size.	Spacing.	Size.		
				Inches.	Inches.	Inches.		
W. T. BULKHEADS		7	7	36 x 26	✓	7 x 3 1/2	30 5 1/2	4 1/2
COLLISION "		1	1	38 x 26	✓	48 9 3/4	24	4 1/2
PARTITION "								
LONGITUDINAL,,								
Are the outside Plates doubled two spaces of Frames in length? Yes								
Are the Stance Valves and Watertight Doors in efficient working order? Yes								

Form 1000: SHIPBUILDING CONTRACT. This form is used for recording the details of a shipbuilding contract, including the specifications for the vessel, the terms of the contract, and the names of the parties involved. It is divided into several sections, each containing a table for recording specific data.

PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

EDGES. Ordinary or Joggled? *Ordinary*

RIVETING.

BUTTS.

STRAKES.

AMIDSHIP.

FORWARD.

AFT.

AMIDSHIP.

Single or Double.

Breadth of Lap.

RIVETS.

Double or Treble and for what Length.

RIVETS.

STRAPS.

IF LAPPED.

FLAT PLATE KEEL (If Bar Keel, state Riveting)

GARBOARD OF A Strake

B

C

D

E

F

G

H

J

K

L

M

SHELTER DECK

DK SHEER

P

Q

R

S

DOUBLING of Flat Plate Keel

of Sheerstrakes

Length and Thickness

POOP SIDES

SHORT BRIDGE SIDES

FORECASTLE SIDES

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.?

Simon Martin Steel

Corsett Iron Co. Ltd. South Durham Steel Works Ltd.

Porman Long & Co. Ltd. Palmers Shipbuilding & Dock Co. Ltd.

The Park Gate Iron & Steel Co. Ltd.

Has the Steel been tested as required by the Rules?

FRAMES extend in one length from *Margin plate* to *Shell deck*

REVERSED FRAMES on floors and frames extend from *Centre line to margin plate* to *upper dk in* state if ordinary or joggled? *Joggled Amidship*

6" Br space cross bunker girt to upper shell dk forward. To Orlop dk forward in lieu of painting beams

MASTS, SPARS, &c.

LOWER MASTS.

Fore

Main

Mizen

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

EQUIPMENT No.

LETTER

ANCHORS.

CHAIN CABLES.

HAWSERS AND WARPS.

Boats

Pumps, Number

Windlass is

Engine Room Skylights.

What arrangements for deadlights in bad weather?

Coal Bunker Openings.

Number of Scuppers, and number and dimensions of Freeing Ports, &c.

Ceiling in Holds, thickness and material

Cargo Hatchways.

State size No. 1 Hatch (Forward)

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

Builder's Signature

Surveyor's Signature

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

Correspondence. — State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)
M 20/11/09 To Builders M 26/11/09 To Builders M 1/12/09 M 13/12/09 M 16/12/09 M 24/12/09 M 28/12/09 M 6/1/10

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? *No*
to plate, &c., conform well to each other? *No*
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 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. 26, par. 20)? *Yes* State results of tests *Satisfactory*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *do-*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans and otherwise in conformity with the Rules. The workmanship and materials are good.*
Correspondence (Contd) M 7/1/10 M 7/1/10 E 18/1/10 M 28/1/10 M 2/2/10 M 4/2/10 M 10/2/10 M 23/2/10 M 4/3/10 M 29/3/10

This is a sister vessel to the S/s "Highland Brae" Liverpool Report No 65057
This vessel on entering the Dry Dock on the 27th Feb. struck the Quay wall and intended the following plates on Starboard Side
G Strake No 4 plate, A Strake No 11 plate & No 11 plate of Strake No 11 plate
These plates were forced in place and the Caulking and Gritting made good.
This vessel is fitted with Wireless telegraphy

The Surveyor should state the Number of Report and Name of any Sister Vessel. *65057 "Highland Brae"*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., F'castle ☒ 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) *3 Dks (STL) and Shelter dk (STL)*
Official No. *129182*; Signal Letters _____ State if Machinery is fitted aft *No*
How are the surfaces preserved from oxidation? Inside *Paint & Cement* Outside *Paint*

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

Where fitted.	*Length.		Water Capacity.	Where fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	<i>130</i>	<i>365</i>		Fore peak tank,	<i>16</i>	<i>129</i>	
Double bottom, under Engines and Boilers,	<i>62-10</i>	<i>291</i>		After peak tank,	<i>21</i>	<i>23</i>	
Double bottom, if under Engines only,				Deep tank aft,			
Double bottom, if under Boilers only,	<i>166-10</i>	<i>578</i>		Deep tank forward,			
Double bottom, forward,				Other tanks, if fitted,			
	Total capacity of double bottom		<i>1234</i>	(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.

The wells are not to be included in the lengths of the tanks.		
Order for Special Survey No. <i>1057</i>	DATES of Surveys held while building	<i>1909 Dec 29 ¹⁹¹⁰ Jan 5. 12. 17. Feb 4. 7. 9. 10. 17. 19. 22. 23. Mch 1. 7. 9. 16. 21. 24. Apr 6. 11. 14. 19.</i>
Date <i>Dec 1st 1909.</i>		<i>24. May 2. 9. 12. 17. 21. 23. 25. 30. June 1. 3. 7. 10. 15. 21. 29. July 1. 7. 8. 12. 15. 19. 26. 29. Aug 9. 22. 24. 26.</i>
No. <i>339</i> in builder's yard.		<i>30. Sept 2. 5. 30. Oct 4. 6. 24. Nov 15. 17. 21. 23. 24. 30. Dec 5. 6. 15. 19. 21. 23. 1911. Jan 5. 9. 12. 16.</i>
<i>17. 23. 25. Feb 1. 4. 10. 13. 17. 25. 27. 28. Mch 1. 6. 7. 8. 23. 28.</i>		
		Total No. of Visits <i>90.</i>

The amount of Entry Fee £ *5 : 0 : 0* Fees applied for, *- 5 APR 1911*
Special £ *205 : 10 : 6* Received by me, *18. 11. 1909*
Travelling Expenses, if any £ : :
Certificate to be sent to _____

State whether the Vessel has been built under Special Survey. *Yes*
I am of opinion this Vessel should be Classed *100 A1 Shelter dk with freeb.*
With, ~~or~~ without Freeboard, as condition of Class _____
Surveyor to Lloyd's Register of British and Foreign Shipping. *Wm H. Watson*

Committee's Minute *LIVERPOOL. - 7 APR 1911*
Character assigned *100 A1*
Shelter Deck with Freeboard
Collision bulkhead to upper deck only
Uninsured.
Lloyds A & C.P.
When Fee is Paid.

The Surveyor is requested not to write on or below the Committee's Minute.

W658-0002 2/10