

Awning or Shelter Deck, or Pt. Awning Deck

STEEL STEAMER.

No. 15901

Port of *Greenock*

Date of completion of Report *19th October 1910* Received at London Office

Survey held at *Greenock*

Date, First Survey *16th December 1909* Last Survey

17th October 1910

On the *Steel Steamer*

HIGHLAND GLEN

Rig *Schooner*

TONNAGE under Tonnage Deck *4892.73*

CLASS *+ 100 A1*

FEET.

Master *E. J. Curtis*

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. *1596.76*

Breadth (greatest moulded) *55.99*

Year of Appointment *(1) As Master in service of owner of present vessel: 1905 (2) As Master of this vessel: 1910*

Total under Upper Dk. *6489.49*

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck *39.66*

Built at *Port Glasgow*

Do. of Poop *-*

Deduct height of tween deck when this does not exceed 8ft. *85.63*

When built *1910* Launched *23/7/10*

Do. of R. Gr. Dk. *-*

Transverse Number *85.63*

By whom built *Russell & Co*

Do. of Bridge House *-*

Length on deck from fore part of stem to after part of sternpost *414*

Owners *Nelson Steam Navigation Co. Ltd.*

Do. of Forecastle *-*

Longitudinal Number *35450.82*

Managers *H. W. Nelson Ltd.*

Do. of Houses on Deck *774.84*

Depth "d" at middle of length. See Secs. 2 & 13 *11-2 1/8*

Residence *London*

Do. of excess of Hatchways *79.02*

Proportions, Depth to Length, Uppermost Continuous Deck at side to top of keel *10.99*

Port belonging to *London*

Do. above Crown of Engine Room *7343.35*

Upper Deck at side to top of keel *-*

Gross Tonnage *7343.35*

Destined Voyage *Buenos Ayres*

Surveyed while Building, & Afloat, or in Dry Dock

Less Crown Space *238.94*

Less above Crown of Engine Room *79.02*

TONNAGE FOR FEES... *7025.39*

Less Engine Room *2349.87*

Less Navigation Spaces *138.51*

Register Tonnage as cut on Beam... *4616.03*

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awning or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
	414	0		55	11 1/2		Upper Deck Beams	35	27	4	4

Dimensions of Ship per Register, Length *414* breadth *56.3* depth *37.1* Upper Deck. Moulded depth, ft. *37* ins. *7 1/8* To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual *14* ins.

FRAME, Angles, <i>as per plan</i> , amidships										6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2		
Do. in peaks										6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2		
Do. in way of Double Bottoms at Solid Floors										3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2		
Spacing of Frames from centre to centre amidships										6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2		
" length to collision bulkhead																	
" of Frames from centre to centre in peaks										26		26					
REVERSED FRAME, Angles, <i>as per plan</i>										3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	4 1/2		
FRAMING, depth of girder										7 1/2	7	9 1/2	7 1/2	7	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 state if flanged (top & bottom) spacing											26		26				
CENTRE GIRDER, in Dbl. bottom, dpth & thickness										44	52	44	52				
" Angles, Top										3 1/2	3 1/2	5 1/2	3 1/2	3 1/2	5 1/2		
" Bottom										4 1/2	4 1/2	6	4 1/2	4 1/2	6		
" to Floors										5	5	5 1/2	5	5	5 1/2		
SIDE GIRDERS, number and thickness										2	44	2	44				
" state if flanged (top & bottom)										Flanged top and bottom							
" Angles										3	3	4	3	3	4		
MARGIN PLATE, depth (exclusive of flange) and thickness										43	48	35	48				
" Angles to outside plating										Flanged							
" to floors										5	5 1/2	4 1/2	5	3 1/2	4 1/2		
Height of Brackets above at bilge										26 x 32		60 x 32					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake										60	50	44	5 1/2	5 1/2			
" thickness in Engine and Boiler space										6.6	6	6.7	6.5	6	5.6		
" Remainder in Holds																	
BEAMS, <i>Awning or Shlter Dk</i> , Single Angle, Bulb Angle, Plate, Tee Bulb or Channel										7	3	4 1/2	7	3	4 1/2		
" Angles on upper edge																	
Spacing										26		26					
BEAMS, Upper or Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel										8	3 1/2	3 1/2	4 1/2	8	3 1/2	3 1/2	4 1/2
" Angles on upper edge																	
Spacing										52		52					
BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel										8	3 1/2	3 1/2	5	8	3 1/2	3 1/2	5
" Angles on upper edge																	
Spacing										52		52					
BEAMS, Fourth or Fifth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel										8	3 1/2	3 1/2	5	8	3 1/2	3 1/2	5
" Angles on upper edge																	
Spacing										52		52					
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		4			5 1/2		
" Quarter, 'tween Dks., "																	
" in Hold																	
WEB FRAMES, in Fore Body, No. and spacing																	
" No. of Side Stringers																	
WEB FRAMES, in E. & B. Space, No. & spacing										One		One					
" breadth & thickness										30		30					
WEB FRAMES, in After Body, No. and spacing																	
" No. of Side Stringers																	
" Size of Face Angles to Web Frames										4	3 1/2	4 1/2					
BRACKET PLATES to Stringers between Web Frames, depth and thickness																	

KEEL, Bar, depth and thickness															
STEM, moulding and thickness										10 x 2 1/2		10 1/2 x 2 1/2			
STERN-POST for Rudder do. do.										12 1/2 x 7 1/2		12 1/2 x 7 1/2			
" for Propeller										11 1/2 x 7 1/2		11 1/2 x 7 1/2			
RUDDER-A x D Table 22										468					
" Main Piece, diameter at head										10 1/2		10 1/2			
" at heel										8		8			
RUDDER, how constructed										Built forging, single plate					
Can the Rudder be unshipped afloat?										yes					
KEELSONS AND STRINGERS.															
CENTRE LINE KEELSON, Vertical Plate above floor, 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															
" Angle															
" Intercoastal Plate, for full lng.															
" Attached to outside plating with Angle															
Awning or Shelter Deck Stringer Plates, breadth and thickness															
" Angle on ditto															
" Tie Plates, fore and aft, outside Hatchways															
" Deck * <i>Iron or Steel</i> , for whole lng.															
" Wood Deck, Material and thickness															
Upper or Second Deck Stringer Plate, breadth and thickness															
" Angles on ditto, No. 2															
" Tie Plates, outside Hatchways															
" Deck * <i>Iron or Steel</i> , for whole lng.															
" Wood Deck, Material and thickness															
Third Deck Stringer Plates, breadth & thickness															
" Angles on ditto, No. 2															
" Tie Plates, outside Hatchways															
" Deck * Material and thickness															
Fourth and Fifth Deck Stringer Plate, breadth and thickness															
" Angles on ditto, No. 2															
" Tie Plates, outside Hatchways															
" Deck. Material and thickness															
Poop Deck Stringer Plate, breadth & thickness															
" Angles on ditto															
" Tie Plates															
" Deck. Material and thickness															
Bridge Deck Stringer Plate, breadth & thickness															
" Angle on ditto															
" Tie Plates															
" Deck. Material and thickness															
Forecastle Deck Stringer Plate, breadth & thickness															
" 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.										STIFFENERS.										Single or Double Frames.		Height up.	
In Vessel.		Per Rule.		Thickness.		Horizontal.		Vertical.		Inches.		Inches.		Inches.		Inches.							
				Inches.		Size.		Spacing.		Size.		Spacing.		Size.		Spacing.							
						Inches.		Inches.		Inches.		Inches.		Inches.		Inches.							
W. T. BULKHEADS										7	6	36.16			82	7.3.42	30		Single	Upper			
COLLISION										7	1	38.26			82	9.5.32	24		"	Lower			
PARTITION																							
LONGITUDINAL																							

Are the outside Plates doubled two spaces of Frames in length? *brackets to side stringer*

Are the Staircase Valves and Watertight Doors in efficient working order? *yes*

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

1909 Nov 17. 25. 26. 29. 30, Dec 2. 3. 6. 9. 10. 11. 13. 15. 16. 1910 Jan 7. Feb 23. Mar 26. 27. 28. 29. 30. 31. 1910

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

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

from the faying surfaces? yes

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

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 satisfactory

General Remarks (State quality of workmanship, &c.) The workmanship is good and the vessel has been built in accordance with the Rules and to the approved plans (9 in 10), which together with the Forgings Reports are attached hereto.

The keel was sighted before vessels launch and found to have 1" camber

Drawings

Midship Section Hatch webs
Profile and Deck Plans Quadrant & Filler
Pillars and Girders (2) Pumping Plan
Stem Frame
Rudder

Sister vessel to "Highland Corrie" and "Highland Scot" Sch Lghts nos 15842 and 15869

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. ☒ ft., Bridge ☒ ft., F'castle ☒ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

Complete shelter 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) 3446 (Stt) Shelter dx (Stt)

Official No. 129139; Signal Letters H.R.S.F

State if Machinery is fitted ~~at~~ amidships

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

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	124.33	373	Fore peak tank,		
Double bottom, under Engines and Boilers,	43.33	194	After peak tank,		91
Double bottom, if under Engines only,			Deep tank aft,		45
Double bottom, if under Boilers only,			Deep tank forward,		
Double bottom, forward,	179.83	639	Other tanks, if fitted,		
	Total capacity of double bottom	1206	(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. yes

Order for Special Survey No. 2362.

Date 18th Nov. 1909.

No. 616 in builder's yard.

Dates of Surveys held while building

1909. Dec. 16. 21. 24. 29. 30. 1910. Jan. 5. 7. 11. 18. 20. 24. 28. Feb. 2. 9. 15. 16. 22. 24. 28. Mar. 1. 7. 11. 15. 18. 21. 23. 24. 25. 28. 29. 30. Apr. 5. 6. 8. 12. 19. 22. 25. 26. May 3. 4. 6. 10. 11. 16. 24. 25. 30. 31. June 1. 2. 3. 7. 8. 10. 13. 14. 16. 17. 20. 23. 24. 25. 27. 28. 30. July 1. 2. 6. 20. 21. 25. Aug. 22. Sept. 3. Oct. 3. 17.

Total No. of Visits

77

The amount of Entry Fee £ 5 : 0 : 0

Special £ 200 : 12 : 6

Travelling Expenses, if any £ :

Fees applied for,

10/10/1910.

Received by me,

11/10/1910

J. C. S. B.

Certificate to be sent to

Greenock.

J. Bennett
J. French

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

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

I am of opinion this Vessel should be Classed ^{+100 A1 Shelter deck} Collision Bulkhead to upper deck only

With, or without Freeboard, as condition of Class. with

Committee's Minute GLASGOW 25 OCT. 1910

Character assigned + 100 A1

Shelter dx. with fbd.

10.10.

Collision Bulkhead to upper dx only.

Lloyd's Assoc

+ LMC 9.10 7D.

Elec. Light

920.



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Certs issued 21/10/10.

W680 - 0068 (2/2)