

~~Awning or Shelter Deck,~~  
~~or Pt. Awning Deck.~~

STEEL STEAMER.

No. 34479

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

WED. OCT. 21. 1914

Port of Glasgow

Date of completion of Report

Received at London Office

Survey held at noon

Date, First Survey

26/2/14

Last Survey October 16<sup>th</sup> 1914

On the Steel Screw Steamer "RAVEN"

Rig Schooner

TONNAGE under { 981.39

CLASS 7100 A1 "Shelter Sk"

FEET.

Master G. K. Field

Year of Appointment { (1) As Master in service of owner of present vessel:—1911  
(2) As Master of this vessel:—1911

Built at noon

When built 1914 Launched Augt 11<sup>th</sup> 1914

By whom built Aulsa & B. Co. Ltd

Owners General Steam Navigation Co. Ltd

Managers

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

Residence 15 Trinity Square London

Port belonging to London

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk.  
Total under Upper Dk.  
Do. of Poop 157.93  
Do. of R. Or. Dk. 12.30  
Do. of Bridge Houses 73.31  
Do. of Forecastle 13.00  
Do. of Houses on Deck 11.36  
Do. of excess of Hatchways 87.64  
Do. above Crown of Engine Room 1336.93  
Less Crew Space 122.69  
Less above Crown of Engine Room 87.64  
TONNAGE FOR FEES... 1126.60  
Less Engine Room 522.99  
Less Navigation Spaces 31.45  
Crew 122.69  
Register Tonnage { 659.80  
as cut on Beam...

Breadth (greatest moulded) 37.0  
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 25.0  
Deduct height of 'tween deck when this does not exceed 8ft. 17.0  
Transverse Number 54.0  
Length on deck from fore part of stem to after part of sternpost 250.0  
Longitudinal Number 13500.0  
Depth "d" at middle of length. See Secs. 2 & 13... 13.92  
Proportions, Depth to Length, Uppermost Continuous Deck at side to top of keel 10.0  
" " Upper Deck at side to top of keel 14.7

Destined Voyage

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

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL Do.	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
250	0		37	0		25	0		2	2

Dimensions of Ship per Register, Length 250.2 breadth 37.2 depth 14.2 Upper Deck. Moulded depth, ft. 25 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 9 1/4 ins. Moulded depth, ft. 16 ins. 6 To Upper Dk.

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, or E or L Bars, amidships <u>6 1/2 x 3 x 40</u>				PILLARS, In 'tween Deck, size and spacing <u>2 1/2 x 46</u>			
Do. in peaks <u>5 1/2 x 3 x 38</u>				" " Hold wide spaced subpillars and girders <u>10.9 x 44</u>			
Do. in way of Double Bottoms at Solid Floors <u>3 x 3 x 32</u>				" " Quarter, 'tween Dks., wide spaced and girders <u>10 3/4 solid</u>			
" " at intermdt. Bkts. <u>23 all fore and aft</u>				" " in Hold " "			
Spacing of Frames from centre to centre amidships <u>23 all fore and aft</u>				KEELSONS AND STRINGERS.			
" length to collision bulkhead <u>23 all fore and aft</u>				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate			
" of Frames from centre to centre in peaks <u>23 all fore and aft</u>				" Rider Plate			
REVERSED FRAME, Angles <u>3 x 3 x 40</u>				" Flat Keel Plate Angles			
Do. in way of Double bottoms at Solid Floors <u>3 x 3 x 40</u>				" Horizontal Plates on Floors			
" " at intermdt. Bkts. <u>6 1/2</u>				" Angles or Bulb Angles			
FRAMING, depth of girder <u>6 1/2</u>				SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships <u>46 U.S.</u>				" Angles or Bulb Angles			
" in way of Engine and Boiler spaces <u>34 x 62 U.S.</u>				" Plate above floors, for length			
" thickness at the ends of vessel <u>34 x 62 U.S.</u>				" Intercostal Plate, for length			
" depth at 1/2 the half-bdth. as per Rule <u>straight</u>				" Attached to outside plating with Angle			
" height extended at the Bilges <u>straight</u>				BILGE KEELSON, Angles			
FLOORS & DECKING in Cell Dble Bottoms <u>34 x 40</u>				" Intercostal Plate, for length			
" " state if flanged (top & bottom) <u>not flanged</u>				" Attached to outside plating with Angle			
" " spacing <u>23</u>				SIDE STRINGERS, Number			
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness <u>34 x 42 x 36</u>				" " Angle			
" " Angles, Top (single) <u>4 x 4 x 48-46</u>				" " Intercostal Plate, for lng.			
" " " Bottom <u>4 x 4 x 48-46</u>				" Attached to outside plating with Angle			
" " " to Floors <u>3 x 3 x 32</u>				Awning or Shelter Deck Stringer Plates, breadth and thickness <u>5 1/2 x 46 to 23 x 36</u>			
SIDE GIRDERS, number and thickness <u>one 30</u>				" Angle on ditto <u>4 x 4 x 48</u>			
" " state if flanged (top & bottom) <u>not flanged</u>				" Tie Plates, fore and aft, outside Hatchways <u>30 x 46-36</u>			
" Angles <u>3 x 3 x 32</u>				" Deck * Iron or Steel, for abt. 3/5 lng. <u>30-25</u>			
MARGIN PLATE, depth (exclusive of flange) and thickness <u>28 x 36</u>				" Wood Deck, Material & thickness <u>P.P. 5 x 3</u>			
" Angles to outside plating <u>3 1/2 x 3 1/2 x 36</u>				Upper Deck Stringer Plate, breadth and thickness <u>4 1/2 x 38 to 23 x 36</u>			
" " to floors <u>3 1/2 x 3 1/2 x 32</u>				" Angles on ditto, No. <u>2</u>			
" Height of Brackets above at bilge <u>45</u>				" Tie Plates, outside Hatchways			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake <u>66 x 38-32</u>				" Deck * Iron or Steel, for full lng. <u>30</u>			
" " thickness in Engine and Boiler space <u>32 x 30</u>				" Wood Deck, Material & thickness <u>P.P. 5 x 3</u>			
" " Remainder in Holds <u>32 x 30</u>				Second Deck Stringer Plates, br'dth & thickness			
BEAMS, Awning or Shlter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <u>8 1/2 x 3 x 50</u>				" Angles on ditto, No.			
" Angles on upper edge				" Tie Plates, outside Hatchways			
" Spacing <u>46</u>				" Deck * Material and thickness			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <u>5 1/2 x 3 x 40</u>				Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
" Angles on upper edge				" Angles on ditto, No.			
" Spacing <u>23</u>				" Tie Plates, outside Hatchways			
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Deck. Material and thickness			
" Angles on upper edge				Poop Deck Stringer Plate, breadth & thickness			
" Spacing				" Angles on ditto			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Tie Plates			
" Angles on upper edge				" Deck. Material and thickness			
" Spacing				Bridge Deck Stringer Plate, br'dth & thickness			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Angle on ditto			
" Angles on upper edge				" Tie Plates			
" Spacing				" Deck. Material and thickness			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				Forecastle Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge				" Angle on ditto			
" Spacing				" Tie Plates			
				" Deck. Material and thickness			



[illegible]



EQUIPMENT No. 15165 LETTER <i>P</i> ANCHORS.																	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
71794	1st Bower	31	0	12	Stockless			29	9	1	14	30	2	0	Shells (Cast Steel) 11/4	H. Hingley & Sons.	Reherton 12.8.14. H. Green
71795	2nd "	30	2	16	"			29	3	3	0	30	2	0	Shanks Forged		
71799	3rd "	26	0	0	"			25	12	2	0	26	0	0	"		
	Collective weight	87	3	0								87	0	0	"		
71815	Stream	7	3	3	2	0	21	10	0	1	7	7	3	0	Rodgers Forged W.I.		(Doxford Hammered 16/16)
71814	Kedge	4	1	13	1	0	18	6	15	0	0	4	1	0	"	"	" 20.8.14 "
															"	"	"

If Patent, State Name of Patent.

Stockless, give Mechanism.

## CHAIN CABLES.

Number of Certificate.	Length and Size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	HAWSERS AND WARPS.			
	Length.	Diam.		Supplied.	Per Rule.					Material.	Length and Size supplied.	Breaking Test of Steel Wire Towline.	Fathoms and size per Table 31.
56584	120	1 5/8	47 5/10	66 5/10	162.0.10	159.2.22 1/2	120 1 5/8 Stud	H. Hingley & Sons	Reherton 12.8.14.	TOWLINE (Steel)	90 3 1/4	22	90 3 1/4
56632	120	1 5/8	47 5/10	66 5/10	161.0.18	159.2.22 1/2	120 1 5/8 Link	"	" 21.8.14	HAWSERS & WARPS	2-90 2"	8 1/2	-
	240	1 5/8			323.1.0	319.1.4	240 1 5/8	"	H. Green, Supt.	" Manila	2-90 6"	-	2-90 6"
Iron Stream Chain or Steel Wire	75 1/2	1	18	27	39.2.24	38.1.1	75 1" Stud Link	H. Hingley & Sons	Reherton 21.8.14	" "	2-90 5"	-	2-90 5"

## Boats

Two.

Steering Gear, Steam Selenomotor gear Steering Gear, Hand combined  
 Pumps, Number One downtown + 2 in peaks. Diameter of Barrel 5" and 3" State whether they are in efficient working order Yes  
 Windlass is efficient. (Clarke Chapman maker) Capstan is efficient (Clarke Chapman maker)  
 Engine Room Skylights.—How constructed? Steel coamings + angles What arrangements for deadlights in bad weather? Steel shutters.  
 Coal Bunker Openings.—How constructed? Steel coamings etc. How are lids secured? cleats + battens Height above deck? 18"  
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 5 scuppers on each side, one freeing port on each side 1.9 x 2.0  
 Ceiling in Holds, thickness and material 3" Baltic Pine + Amer. Elm. Cargo Battens, thickness and material 2" White Pine  
 Cargo Hatchways.—How formed? Steel Plates and angles Hatches, If strong and efficient? Yes  
 State size No. 1 Hatch (Forward) 19.2 x 11.0 No. 2 Hatch 38.4 x 13.11 No. 3 Hatch No. 4 Hatch  
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1 Hatchway 3 Webs. No. 2 Hatchway 6 Webs. No. 3 + afters  
 No. of Breasthooks Four No. of Crutches 6 + deep floors  
 Bulwarks, height above deck and description 3.6 open rail + steel plating around stern Main Rail and Stays, material and size 8 x 3 x 40 B.A. around stern.  
 The foregoing is a correct description. AILSA SHIPBUILDING CO., LIMITED  
 Builder's Signature (here only) *Edwin* General Manager Surveyor's Signature *W.P. Collins*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 7.19.12.13; 7.1.14; E 23.1.14; 7.25.3.14. 7.18.12.13.

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

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

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

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)?

State results of tests satisfactory.

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

This vessel has been built in accordance with the Approved plans, the Secretary's letters of the above dates and in general conformity to the Rules for the class contemplated.

5 Approved plans and 5 forging + Casting reports herewith enclosed. also an additional midship section as built for filing with report. please return the 5 approved plans for reference in connection with the sister vessel RP 289.

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

The amount of Entry Fee £ 4 : 0 : 0  
 Special Survey Fee £ 53 : 3 : 6  
 Travelling Expenses, if any £ 3 : 13 : 0

Fees applied for, 19/10/14  
 Received by me, 21.10.14

Certificate to be sent to GLASGOW Date of issue 23/10/14

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

I am of opinion this Vessel should be Classed F 100 A1 SHELTER DECK

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

*W.P. Collins*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned F 100 A1

Shelter Deck with fbd. 50" 7 1/2"  
 10.14

Lloyd's at 10.14

+ L.M.C. 10.14.

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Lloyd's Register Foundation

WS93-0122 (2/2)



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated 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) 1 Dk (Stl) and Shelter Dk (part Stl + w. S)

Official No. \_\_\_\_\_; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft yes.  
How are the surfaces preserved from oxidation? Inside Paint + Portland Cement Outside Paint.

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,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Forepeak tank,	<u>15</u>	<u>20</u>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<u>11</u>	<u>20</u>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	<u>162-11</u>	<u>262</u>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom		<u>262</u>	(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. 4814

Date 14.1.14

No. 288 in builder's yard.

DATES of Surveys held while building

1914 Feb 26 Mar 6-9. 13. 25-30 Apr 2-9. 14. 15. 17. 20-24. 27. 29 May 4. 8. 11. 13. 14. 15. 25. 26. 27 June 2. 4. 9. 11. 18. 23. 25. 29. 30 July 2. 6. 7. 8. 10. 13. 14. 29. 30 Aug 3. 6. 10. 19. 28 Sept 4. 9. 14. 16. 21. 30 Oct 1. 5. 7. 9. 10. 16

Total No. of Visits 59

Surveyor's Signature

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W. P. Hollings