

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

IRON OR STEEL STEAMER.

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

Date of completion of Report *January 4th 1902*.

Date, First Survey *June 7th 1901*

Port of *Aberdeen*.

Last Survey *December 28th 1901*.

Rig *Ketch*.

Master *William Cook*.

Year of appointment *(1) As master in service of
owner of present vessel: 1885
(2) As master of this
vessel: December 1901.*

Survey held at *Aberdeen*.

On the *Steel* *Screw Steam trawler* *Ben Edra*

TONNAGE under
Tonnage Deck *141.94*

Do. of Poop

Do. of Raised Qr. }

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck *1.23*

Do. of excess of Hatchways

Do. above Crown of }

Engine Room *183.25*

Gross Tonnage *21.54*

Less Crew Space *10.05*

Less above Crown of }

Engine Room *151.66*

TONNAGE FOR FEES *105.32*

Less Engine Room *4.38*

Less Navigation Spaces *52.01*

Register Tonnage
as cut on Beam *52.01*

ONE OR TWO DECKED VESSEL.

CLASS *100. A.I.*

FEET.

Half Breadth (moulded) *10.5*

Depth from upper part of Keel to top of Main Deck Bms. *12.81*

Girth of Half Midship Frame (as per Rule) *18.99*

1st Number *42.1*

Length on deck from after part of stem to fore part of } *106.84*

stern post }

2nd Number *4499.22*

Proportions—Breadths to Length *5.08*

Depths to Length—Main Deck to top of Keel *8.34*

Destined Voyage *Fishing*.

If Surveyed while Building, *Afloat, or in Dry Dock* *Yes*.

LENGTH on Deck as	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat laid
per Rule	<i>106</i>	<i>10 1/2</i>	Moulded	<i>21</i>	<i>0</i>	Top of Floors to top of Main Deck Beams	<i>11</i>	<i>10 1/2</i>	<i>one</i>
Dimensions of Ship per Register, Length, <i>108.25</i> breadth, <i>21.25</i> depth, <i>11.75</i> Moulded Depth, <i>12</i> ft. <i>4 1/2</i> ins. Round of Beam, Actual <i>6</i> ins.									

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches per Rule Approved.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches per Rule Approved.
FRAME, Angles, <i>1</i> , <i>E</i> or <i>L</i> Bars, for $\frac{1}{2}$ length amidships	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>	KEEL, Bar or Side Plates, depth and thickness	<i>1 1/2</i> x <i>1 1/2</i>		<i>1 1/2</i> x <i>1 1/2</i>		
Do. for $\frac{1}{2}$ at each end	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>	STEM, moulding and thickness	<i>7 1/2</i> x <i>1 1/2</i>		<i>7 1/2</i> x <i>1 1/2</i>		
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.	<i>6</i> x <i>2 1/2</i>		<i>6</i> x <i>2 1/2</i>		
Do. in way of Double Bottoms at Solid Floors						for Propeller	<i>6</i> x <i>2 1/2</i>		<i>6</i> x <i>2 1/2</i>		
Spacing of Frames from centre to centre	<i>21</i>		<i>21</i>			MAIN PIECE of Rudder, diameter at head	<i>3 1/2</i>		<i>3 1/2</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>	do. at heel	<i>3 1/2</i> x <i>3</i>		<i>3</i> x <i>2 1/2</i>		
DEEP FRAMING, depth of girder						RUDDER, how constructed <i>forced frame & 2" single plate</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>12</i>		<i>6</i>	<i>12</i>	<i>6</i>	Can the Rudder be unshipped afloat? <i>Yes</i>					
in way of Engines and Boilers			<i>4 1/2</i>		<i>7 1/2</i>	KEELSONS AND STRINGERS.					
thickness at the ends of vessel			<i>5</i>		<i>5</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<i>9</i>		<i>9</i>	<i>9</i>	<i>9</i>
depth at $\frac{1}{2}$ the half breadth, as per Rule						Rider Plate					
height extended at the Bilges						Bulb Plate to Intercoastal Keelson					
FLOORS & BRACKETS, in Cell Dble Bottoms						Horizontal Plate on Floor					
state if flanged (top & bottom)						Angles	<i>4</i>	<i>4</i>	<i>9</i>	<i>4</i>	<i>9</i>
Spacing						SIDE KEELSON, Angles					
CENTRE GIRDER, in Double Bottom, depth and thickness						Bulb or Plate above floors for					
Angles, Top						Intercoastal Plate for					
Bottom						Attached to outside plating with Angle					
SIDE GIRDERS, number on each side & thickness						BILGE KEELSON, Angles	<i>5</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>4</i>
state if flanged (top & bottom)						Bulb or Plate above floors for					
Angles						Intercoastal Plate for					
MARGIN PLATE, depth (exclusive of flange) and thickness						Attached to outside plating with Angle					
Angles to Outside Plating						BILGE STRINGER Angles					
Floors						Bulb Plate for					
Height of Floors at the Bilges						Intercoastal Plate for					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Attached to outside plating with Angle					
thickness in Engine and Boiler space						SIDE STRINGER Angles	<i>5</i>	<i>4</i>	<i>8</i>	<i>5</i>	<i>4</i>
Remainder in Holds						Bulb or Intercoastal Plate for					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>5 1/2</i>	<i>3</i>	<i>8</i>	<i>5 1/2</i>	<i>3</i>	Attached to outside plating with Angle					
Angles on Upper Edge						Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>23-15</i>	<i>6-5</i>	<i>23-15</i>	<i>6-5</i>	
Spacing	<i>42</i>		<i>42</i>			Angle on ditto	<i>3</i> x <i>3</i>	<i>6</i>	<i>3</i> x <i>3</i>	<i>6</i>	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Tie Plates fore & aft, outside Hatchways	<i>4</i>	<i>6-5</i>	<i>4</i>	<i>6-5</i>	
Angles on Upper Edge						Diagonal Tie Plates on Bms., No. of Pairs					
Spacing						Main Dk* Iron or Steel for <i>6 x 3</i> casing full width	<i>5</i>	full width	<i>5</i>	full width	
BEAMS, Hold, Plate or Tee Bulb						R. Q. Dk* Iron or Steel for					
Angles on Upper Edge						Wood Deck, Material & thickness	<i>P. Pine 5 x 3</i>		<i>P. Pine 5 x 3</i>		
Spacing						Lower Deck Stringer Plate, breadth and thickness					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						Angles on ditto, No.					
Angles on Upper Edge						Tie Plates, outside Hatchways					
Spacing						Deck* Material and thickness					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb						Hold Stringer Plate					
Angles on Upper Edge						Angles on ditto, No.					
Spacing						Poop Deck Stringer Plate, breadth & thickness					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						Angle on ditto					
Angles on Upper Edge						Tie Plates					
Spacing						Deck, Material and thickness					
PILLARS, In between Decks , Size and Spacing						Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness					
Hold						Angle on ditto					
Quarter, between Decks						Tie Plates					
in Hold						Deck, Material and thickness					
WEB FRAMES, In Fore Body, No. and Spacing						Forecastle Deck Stringer Plate, breadth & thickness					
No. of Side Stringers						Angle on ditto					
WEB FRAMES, In E. & B. Space, No. & Spacing						Tie Plates					
Brdth. & Thickness						Deck, Material and thickness					
WEB FRAMES, In After Body, No. and Spacing						Are the outside Plates doubled two spaces of Frames in length? <i>Yes Diamond Shape</i>					
Brdth. & Thickness						Are the Sluice Valves and Watertight Doors in efficient working order? <i>Yes</i>					
No. of Side Stringers											
Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between											
Web Frames, Depth and Thickness											

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		UPPER EDGES.		EDGES.		BUTTS.		BUTTS.		IF LAPPED.				
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	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.	Inches.
FLAT PLATE KEEL (If Bar Keel, state Riveting)																			
GARBOARD OR A Strake	42	4	6	6	42	4-6	Keel	1 1/2	3	2 1/2	1 1/2	3	2 1/2	1 1/2	3	2 1/2			
B "	50	6	5	5	50	6-8	Double	1 1/2	3	2 1/2	1 1/2	3	2 1/2	1 1/2	3	2 1/2			
C "	54	6	5	5	54	6-8		1 1/2	3	2 1/2	1 1/2	3	2 1/2	1 1/2	3	2 1/2			
D "	51	6	5	5	51	6-8		1 1/2	3	2 1/2	1 1/2	3	2 1/2	1 1/2	3	2 1/2			
E "	53 1/2	4	6	6	53 1/2	7-6	Single	2 1/2	4	4	4	4	4	4	4	4			
F "																			
G "																			
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING of Flat Plate Keel																			
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. *Clements Martin Steel.*

Plates, outside Plating, &c. *The Steel Co. of Scotland & Co. Ltd. Glasgow & London.*

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

FRAMES extend in one length from *Keel* to *Deck* state if ordinary or joggled *ordinary*

REVERSED FRAMES on floors and frames extend from *Centre line to upper turn of bilge* state if ordinary or joggled *do.*

Double in 6 x 18 Space bilge to bilge.

MASTS, SPARS, &c.									
LOWER MASTS, &c.	Fore	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates.	Remarks.
				At Partners.	Heel.	Hoists.	Head.		
1st Main Mast	Fore	Pine	41' 6"	13"	10 1/2"	8"			
2nd Main Mast	Mizen	"	31' 6"	12"	9 1/2"	4 3/4"			
Remainder of Spars <i>Spruce.</i>									
Rigging, Material and Size, Shrouds <i>3/4" 2 1/2" Mizen 2 1/2" Steel Wire.</i> Stays <i>3/4" 2 1/2" Mizen 2 1/2" Steel Wire.</i>									
Sails, <i>One</i> Suit of <i>Three</i> Sails and the following spare sails <i>None.</i>									

EQUIPMENT No. 4499 LETTER <i>Trawler.</i>										ANCHORS.					TONNAGE FOR TRAWLERS <i>172. U.D.K.</i>									
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.							
45469	1st Bower	4	3	10	1	0	27	4	5	0	0	4	3	0	Ordinary	Woodhouse & Co. Ltd. 24, Green St. 29.10.01.								
45444	2nd "	4	1	10	1	0	18	6	12	3	0	4	1	0	Rodgers.	24, Green St. 29.10.01.								
45439	3rd "	2	1	5	2	15	5	0	0	0	0	4	2	0	Ordinary.	Woodhouse & Co. Ltd. 24, Green St. 29.10.01.								
	Collective weight	11	2	13								11	2	0										
	Stream																							
	Kedge																							

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Table 22.	
				Supplied.	Table 22.										
33304	90 5/16	5/16	23 1/2 0.0	40.2.21	40.3.27	90 x 5/16	Standard Woodhouse & Co. Ltd. 24, Green St. 29.10.01.			TO WIRE					
			15.16.0.0	approved per Spec letter 31.12.01		HAWSER & KEMP				90					5/16
										WARP	60	1/4		60 x 1/4	
Iron Steam Chain or Steel Wire. ...)															

Boats *One*

Pumps, Number *Two* Diameter of Barrel *4"* State whether they are in efficient working order *Yes.*

Windlass is *Iron.* Capstan *✓*

Engine Room Skylights.—How constructed? *Steel plate & angles, with lead & sashes.*

What arrangements for deadlights in bad weather? *Strong bales & eyes.*

Coal Bunker Openings.—How constructed? *Cast iron* How are lids secured? *Locking lids* Height above deck? *Flush.*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *3 each side. Freeing ports 3 each side 21" x 9"*

Ceiling in Holds, thickness and material *2" Deal.* Ceiling 'tween Decks, thickness and material *✓*

Cargo Hatchways.—How formed? *Cast iron.* Hatches.—If strong and efficient? *Yes.*

State size No. 1 Hatch (Forward) *4' 0" x 2' 0"* No. 2 Hatch *3' 2" x 3' 2"* No. 3 Hatch *✓* No. 4 Hatch *✓*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *None.*

No. of Breasthooks *3 deep floors.* No. of Crutches *1 deep floors.*

Bulwarks, height above deck and description *Steel 30" x 2 1/2" Strap plate 1/2" spaced 6 ft.* Main Rail and Stays, material and size *Bulwark angle 6 x 3 x 1/2 12 1/2 hollow Cop.*

The above is a correct description. *HALL, RUSSELL & CO., LTD.*

Builder's Signature (here only) *James Hunter* Surveyor's Signature *Walter Towell*

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 the case)

77. 26. 2. 01. 77. 31. 12. 01.

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.* 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 facing 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. 23, par. 24)? *✓* State results of tests *✓*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *✓* State results of tests *✓*

General Remarks (State quality of workmanship, &c.) *This vessel has been constructed under Special Survey, in accordance with the Secretary's letter, the Rules, and approved plans, for the insured Class 100 A.1. "Steam Trawler". The materials and workmanship are good, and efficient. The peaks, and hand pumps have been tested, & found satisfactory.*

The Ss "Ben Rimes" "Windsor Castle", & "Columbia" Abn Regt No 5, 1009, 1034. are sister vessels.

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 *✓*

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 D.K.*

Official No. *✓*; Signal Letters *✓*

How are the surfaces preserved from oxidation? Inside *Com out & paint.* Outside *paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors <i>N/A.</i>					
Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Pose-pool tank,		
Double bottom, under Engines and Boilers,			Afters-pool tank,		
Double bottom, if under Engines only,			Midship-deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted, <i>Fresh water amidships</i>	<i>3-6</i>	<i>8.</i>
Double bottom, forward,			(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.*

* 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. *862*

Date *April 1st 1901.*

No. *358* in builder's yard

Days of Survey held while building *June 7, 20, 23, July 2, 14, 29, August 3, 20, 23, 27, 29, September 4, 13, 18, 25, 27, 30, October 2, 8, 11, 16, 18, 22, 25, November 2, 5, 11, 14, 20, 21, 23, December 2, 5, 6, 12, 16, 19, 20, 21, 23, 25, 26, 28.*

Total No. of Visits *44.*

The amount of Entry Fee *£ 1 : 0 : 0* Fees applied for, *28/12/1901*

Special *£ 4 : 12 : 0* Received by me, *30/12/1901*

Traveling Expenses, if any *£*

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

I am of opinion this Vessel should be Classed *100 A.1. Steel "Steam Trawler"*

With or without Freeboard, as condition of Class

Signature *Walter Towell*

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

Committee's Minute *TUES. 7 JAN 1902*

Character assigned *100 A.1. Steel*

Class A 1st

2nd 12, 01

3rd Trawler

Walter Towell

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