

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

# IRON OR STEEL STEAMER.

No. 19990

State if Report is also sent on the Machinery of the Vessel. *yes*  
Date of completion of Report *24<sup>th</sup> April 1908*  
Date, First Survey *Dec 20/07*

Received at *1240* Office. *SAT. 25 APR 1908*

Port of Hull  
Last Survey *April 2<sup>nd</sup> 1908*  
Rig *Ketch*

Survey held at *Delley*

On the *Steam Trawler "ONWARD."*

ONE OR TWO DECKED VESSEL.

CLASS *\*100 A1 Steam Trawler.*

Master *A. Butcher*

Year of appointment *(1) As master in service of owner of present vessel:—1908*  
*(2) As master of this vessel:—1908*

TONNAGE under Tonnage Deck *234.26*

Do. of Poop *18.24*

Do. of Raised Or. Dk. or Break. *4.30*

Do. of Bridge House *3.23*

Do. of Forecastle *2.6.19*

Do. of Houses on Deck *2.4.61*

Do. of excess of Hatchways *241.58*

Do. above Crown of Engine Room *127.30*

Gross Tonnage *241.58*

Space *2.57*

Do. of Room *111.41*

GE FOR FEES *140*

Engine Room *11*

Navigation Spaces *22*

Water Tonnage *11*

on Deck as *11*

Rule *140*

Half Breadth (moulded) *11.04*

Depth from upper part of Keel to top of Main Deck Bms. *12.20*

Girth of Half Midship Frame (as per Rule) *19.33*

1st Number *42.57*

Length on deck from after part of stem to fore part of stern post *140.92*

2nd Number *59.98*

Proportions—Breadths to Length *6.35*

Depths to Length—Main Deck to top of Keel *11.55*

Destined Voyage *Fishing*

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

Built at *Delley*

When built *1908* Launched *4<sup>th</sup> March*

By whom built *Cochrane & Sons*

Owners *Great Northern Steamship Fishing Co. Ltd.*

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

Residence *Hull*

Port belonging to *Hull*

BREADTH—Moulded *22* *1 1/4*

DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *11* *0*

No. of Decks with Flat laid *One*  
No. of Tiers of Beams *One*

Dimensions of Ship per Register, Length, *142.4* breadth, *22.25* depth, *11.0* Moulded Depth, *11* ft. *9* ins. Round of Beam, Actual *9* ins.

## FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
KEEL, Angles, <i>L</i> , <i>C</i> or <i>L</i> Bars, for $\frac{1}{2}$ length amidships	<i>4 1/2</i>	<i>3</i>	<i>8</i>	<i>4 1/2</i>	<i>3</i>	<i>8</i>
for $\frac{1}{2}$ at each end	<i>4 1/2</i>	<i>3</i>	<i>9</i>	<i>4 1/2</i>	<i>3</i>	<i>9</i>
in way of Double Bottoms at Stern Floors	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	<i>6</i>
Intermediate frame forward	<i>21</i>			<i>21</i>		
of Frames from centre to centre	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>
FRAMED FRAME, Angles	<i>4 1/2</i>			<i>4 1/2</i>		
FRAMING, depth of girder	<i>18</i>		<i>6</i>	<i>18</i>		<i>6</i>
RS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>57.13</i>	<i>8</i>		<i>7.8</i>		
in way of Engines and Boilers	<i>5</i>			<i>5</i>		
thickness at the ends of vessel	<i>Straight across</i>			<i>plan</i>		
depth at $\frac{1}{2}$ the half breadth, as per Rule						
height extended at the Bilges						
RS & BRACKETS, in Cell Dble Bottoms						
state if flanged (top & bottom)						
Spacing						
RE GIRDER, in Double Bottom, depth and thickness						
Angles, Top						
Bottom						
GIRDERS, number on each side & thickness						
state if flanged (top & bottom)						
Angles						
IN PLATE, depth (exclusive of flange) and thickness						
Angles to Outside Plating						
Floors						
Height of Floors at the Bilges						
BOTTOM PLATING, breadth and thickness of Middle Line Strake						
thickness in Engine and Boiler space						
Remainder in Holds						
Main and Raised Quarter Deck, 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>	<i>8</i>
Angles on Upper Edge						
Spacing	<i>42</i>			<i>42</i>		
Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
Angles on Upper Edge						
Spacing						
Hold, Plate or Tee Bulb						
Angles on Upper Edge						
Spacing						
Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
Angles on Upper Edge						
Spacing						
Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb						
Angles on Upper Edge						
Spacing						
Forecastle Deck, 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>	<i>8</i>
Angles on Upper Edge						
Spacing	<i>42</i>					
S, In 'tween Decks, Size and Spacing						
Hold						
Quarter, 'tween Dks.	<i>2 1/2</i>	<i>As arranged</i>				
in Hold						
WEB FRAMES, In Fore Body, No. and Spacing						
Brdrth. & Thickness						
No. of Side Stringers						
WEB FRAMES, In E. & B. Space, No. & Spacing						
Brdrth. & Thickness						
No. of Side Stringers						
WEB FRAMES, In After Body, No. and Spacing						
Brdrth. & Thickness						
No. of Side Stringers						
Size of Angles or Tee Bars to Web Frames						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

## FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, Bar or Side Plates depth and thickness	<i>4 x 1 1/2</i>	<i>7 x 1 3/4</i>		
STEM, moulding and thickness	<i>4 x 1 1/2</i>	<i>7 x 1 3/4</i>		
STERN-POST for Rudder do. do.	<i>6 x 3</i>	<i>6 x 3</i>		
for Propeller	<i>4 1/2</i>	<i>4 1/2</i>		
MAIN PIECE of Rudder, diameter at head do. at heel	<i>3 1/2 x 3</i>	<i>3 x 2 3/4</i>		
RUDDER, how constructed <i>Forged iron frame, (2 plates.)</i>				
Can the Rudder be unshipped afloat? <i>Yes</i>				

## KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			<i>7</i>		<i>7</i>
Rider Plate					
Bulb Plate to Intercoastal Keelson					
Horizontal Plates on Floors					
Angles	<i>3</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>7</i>
SIDE KEELSON, Angles					
Bulb or Plate above floors for lng.					
Intercoastal Plate for length					
Attached to outside plating with Angle					
BILGE KEELSON, Angles <i>(One)</i>	<i>5</i>	<i>5</i>	<i>10</i>	<i>5</i>	<i>10</i>
Bulb or Plate above floors for lng.					
Intercoastal Plate for length					
Attached to outside plating with Angle					
BILGE STRINGER Angles					
Bulb Plate for length					
Intercoastal Plate for length					
Attached to outside plating with Angle					
SIDE STRINGER Angles <i>(One)</i>	<i>5</i>	<i>5</i>	<i>10</i>	<i>5</i>	<i>10</i>
Bulb or Intercoastal Plate for lng.					
Attached to outside plating with Angle					

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>36</i>	<i>5/16</i>	<i>36</i>	<i>5/16</i>
Angle on ditto	<i>3 x 3</i>	<i>5/16</i>	<i>3 x 3</i>	<i>5/16</i>
Tie Plates, outside Hatchways	<i>8</i>	<i>3/16</i>	<i>8</i>	<i>3/16</i>
Diagonal Tie Plates on Bms., No. of Pairs				
Main Dk* Iron or Steel for lng.				
R. Q. Dk* Iron or Steel for lng.				
Wood Deck, Material & thickness <i>P.Pine</i>	<i>3</i>		<i>3</i>	
Lower Deck Stringer Plate, breadth and thickness				
Angles on ditto, No.				
Tie Plates, outside Hatchways				
Deck* Material and thickness				
Hold Stringer Plate				
Angles on ditto, No.				
Poop Deck Stringer Plate, breadth & thickness				
Angle on ditto				
Tie Plates				
Deck, Material and thickness				
Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness				
Angle on ditto				
Tie Plates				
Deck, Material and thickness				
Forecastle Deck Stringer Plate, brdrth & thcknss				
Angle on ditto	<i>3 x 3</i>	<i>5/16</i>	<i>3 x 3</i>	<i>5/16</i>
Tie Plates	<i>8</i>	<i>3/16</i>	<i>8</i>	<i>3/16</i>
Deck, Material and thickness <i>P.Pine</i>	<i>3</i>		<i>3</i>	

\* 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.	Spacing		
			16ths or 90ths.	Inches.	Inches.	Inches.	Inches.		
W.T. BULKHEADS	3	3	5 20	3 x 2 1/2 x		5/20	48	Abel	Abel
PARTITION "	r						30		
LONGITUDINAL "	r								

Are the outside Plates doubled two spaces of Frames in length? *Diamond plate fitted*  
Are the Sluice Valves and Watertight Doors in efficient working order? *None*



PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		Lower EDGES Ordinary or Joggled?		BUTTS.		RIVETS.		STRAPS.		IF LAPPED.					
STRAKES.	AMIDSHIP.	FORWARD.	AFT.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.				
FLAT PLATE KEEL (If Bar Keel, state Riveting) GABBOARD or A Strake	39 1/2	8	8	39 1/2	8			Double	4 1/2	3/4	3	1 1/2	2 1/2	9 1/2	9				
State actual thickness in way of Double Bottom.																			
B "		7	6		7														
C "		8	6		8														
D "		9	6		9														
E "	38	10	8	38	10								14 1/2	11					
F "																			
G "																			
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES		10	8																
BRIDGE SIDES																			
FORECASTLE SIDES			5 1/2																
LENGTHS OF PLATING	Run from apices								Double										

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. *Mild Steel*  
*South Durham, J. G. & Co. Ltd.*

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

FRAMES extend in one length from *keel* to *gunwale* state if ordinary or joggled *Ordinary*  
 REVERSED FRAMES on floors and frames extend from *across top of floor* (single angle frames) state if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore .....	P. Pine	43-6	14							
	Main .....										
	Mizen .....	P. Pine	34-0	12							
Bowsprit ✓											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.	One	Suit of									
							</				

Equipment No.      Letter      .										ANCHORS.										Tonnage U.D.K. or Plating No. for Trawlers      5998.									
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.															
60562	1st Bower ..	7	1	26	<del>26</del>			9	13	3	0	4	2	0	Hartshorn	Not stated	P.H.N. 18-2-05												
60561	2nd " ..	7	0	20	"			9	9	1	14	6	3	14	"		"	18-2-05	"										
60535	3rd " ..	3	0	0	-	3	2	5	10	0	0	3	0	0	"		P. Jones & Co.	"	11-2-05										
	Collective weight																												
	Stream ....		✓																										
	Kedge .....		✓																										
															If Patent state Name of Patentee.														

CHAIN CABLES.													HAWSERS AND WARPS.					
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.		
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Table 22.	Length.	Diam.					Length.	Ins.		Length.	Ins.	Length.
	Fathoms.	Inch.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Inch.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
See Secretary's letter	10-	12	0	7					shot		L.P.H.-N. 12-2-28	TOWLINE						
42335	90	1	12	24	50	0	24	90	3	165	1	H. Esneux	HAWSERS & WARPS	60	6		60	6
4776	75	1	12	24	41	3	13	92	0	9		L.P.H.-N. 14-2-28	Manilla	60	5 1/2		60	5 1/2
Iron Steam Chain or Steel Wire.....		Ins.			92	0	9				H. Esneux	" "						

Boats *One*  
 Pumps, Number *Three* Diameter of Barrel *4"* State whether they are in efficient working order *Yes.*  
 Windlass is *by Hammett & Sons.* Capstan *✓*  
 Engine Room Skylights.—How constructed? *Seak*  
 What arrangements for deadlights in bad weather? *Seak plates and bullseyes*  
 Coal Bunker Openings.—How constructed? *Cast iron rings* How are lids secured? *and secured* Height above deck? *12" and 8 1/2"*  
 Number of Scuppers, and number and dimensions of *Freeing Ports, &c.* On each side, *6 Scuppers, 5 Freeing Ports 21 x 12*  
 Ceiling in Holds, thickness and material *2" pine* Cargo Battens, thickness and material *✓*  
 Cargo Hatchways.—How formed? *Plates and angles* Hatches.—If strong and efficient? *Yes.*  
 State size No. 1 Hatch (Forward) *5-3 x 4-0* No. 2 Hatch *7-0 x 4-0* No. 3 Hatch *7-0 x 4-0* No. 4 Hatch *3-6 x 4-0*  
 Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *✓*  
 No. of Breasthooks *Four* No. of Crutches *One*  
 Bulwarks, height above deck and description *2-6 x 7 1/2"* Main Rail and Stays, material and size *6 x 3 x 3/4" steel*  
 The above is a correct description.  
 Builder's Signature (here only) *Cochrane & Sons.* Surveyor's Signature *Allison B. Wilson.*  
 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)

(M.) 9-12-07, 10-12-07, 23-12-07, (L) 7-2-08.  
 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.) *Workmanship good.*

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

*In addition to the ordinary frames, intermediate frames 3 x 3 x 1/2" have been fitted between frames 65 and 75, and in way of the same interval plates connected to the shell have been fitted to the bilge keelson and side stringer. See plans.*

*Accompanying this Report, Plans of Midship Section, Profile and Decks, Pumping Arrangements, and Report on Ships Joins.*

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 *13.5* ft., Bridge Dk. *✓* ft., Forecastle *20.5* 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 DK.*  
 Official No. *124514*; Signal Letters *✓* State if Machinery is fitted aft *Yes.*  
 How are the surfaces preserved from oxidation? Inside *Portland Cement and Paint.* Outside *Paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors <i>Double on floors.</i>					
Where fitted.		*Length.	Water Capacity.	Where fitted.	
		Feet.	Tons.		
Double bottom, aft,		14-0	17	Fore peak tank,	✓
Double bottom, under Engines and Boilers,	✓			After peak tank,	✓
Double bottom, if under Engines only,	✓			Deep tank, aft,	✓
Double bottom, if under Boilers only,	✓			Deep tank, forward	✓
Double bottom, forward,	✓			Other tanks, if fitted,	✓
Total capacity of double bottom.			17	(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 <i>Yes.</i>	

Order for Special Survey No. *177*  
 Date *18/12/07*  
 No. *424* in builder's yard  
 DATES OF SURVEYS held while building *1907: Dec. 20. 1908: Jan. 2, 4, 9, 10, 13, 14, 21, 28, 31, Feb. 13, 17, 27, Mar. 2, 12, 20, 27, 31, April 2.*  
 Total No. of Visits *19*

The amount of Entry Fee ..... £ 2 - - - Fees applied for, *24-4-1908*  
 Special ..... £ 12 - - - Received by me *27/4/08*  
 Travelling Expenses, if any £ 1 - 4 - 8  
 State whether the Vessel has been built under Special Survey *Yes.*  
 I am of opinion this Vessel should be Classed *100 AT "Steam Trawler".*  
 With, or without Freeboard, as condition of Class *Without.*  
 Certificate to be sent to *Hull*  
 Surveyor to Lloyd's Register of British and Foreign Shipping. *Allison B. Wilson.*

Committee's Minute *TUES. 28 APR 1908*  
 Character assigned *100 AT*  
*Am hawls*  
*Lloyd's at 11/11 + time 4 08*  
 The Surveyors are requested not to write on or to bring the Committee's Minute.