

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

IRON OR STEEL STEAMER.

No. 18475

State if Report is also sent on the Machinery of the Vessel *yes*
Date of completion of Report *5th Nov 1906* Port of Hull
Date, First Survey *May 11th* Last Survey *Nov. 3rd 1906*
Rig *Ketch*

Received at London *FRI. 9 NOV 1906*

Survey held at *Selly*
On the *Steel Steam Scauer "ARIADNE."*

TONNAGE under } 205.92
Tonnage Deck... }
Do. of Poop }
Do. of Raised Or. } 13.39
Dk. or Break... }
Do. of Bridge House }
Do. of Forecastle Bulk } 1.44
Do. of Houses on Deck } 3.87
Do. of excess of Hatchways }
Do. above Crown of }
Engine Room... }
Gross Tonnage } 224.92
Less Crew Space }
Less above Crown of }
Engine Room... }
TONNAGE FOR FEES... } 224.92
Less Engine Room } 115.19
Less Navigation Spaces } 3.50
Register Tonnage } 106.23
as cut on Beam... }

ONE OR TWO DECKED VESSEL.

CLASS *BIDDAL "Steam Scauer"*

Half Breadth (moulded) 10.95
Depth from upper part of Keel to top of Main Deck Bms. 12.96
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 19.33
1st Number 43.24
Length on deck from after part of stem to fore part of stern post 115.87
2nd Number 5010
Proportions—Breadths to Length 5.2
Depths to Length—Main Deck to top of Keel 8.9

Master

Year of appointment (1) As master in service of owner of present vessel:—19
(2) As master of this vessel:—19

Built at *Selly*

When built *1906* Launched *24th July*

By whom built *Cochran & Sons*

Owners *The Consolidated Steam Fishing & Ice Co. Ltd.*

Managers

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

Residence *Grimsby*

Port belonging to *Grimsby and in Reg. Book.*

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 *One*
per Rule 115 10 1/2 Moulded 21 11 1/4 Top of Floors to top of Main Deck Beams 11 9 No. of Tiers of Beams *One*
Dimensions of Ship per Register, Length, *117.2* breadth, *22.0* depth, *11.67* Moulded Depth, *12* ft. *6* ins. Round of Beam, Actual *7* ins.

FRAMING.						FORGINGS AND CASTINGS.					
FRAME, Angles, <i>7</i> or <i>8</i> Bars, for 1/2 length amidships						KEEL, Bar or Side Plates depth and thickness					
Do. for 1/2 at each end						STEM, moulding and thickness					
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.					
Spacing of Frames from centre to centre						for Propeller					
REVERSED FRAME, Angles						MAIN PIECE of Rudder, diameter at head					
DEEP FRAMING, depth of girder						do. at heel					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						RUDDER, how constructed <i>Forged iron frame, plated</i>					
in way of Engines and Boilers						Can the Rudder be unshipped afloat? <i>yes</i>					
thickness at the ends of vessel						KEELSONS AND STRINGERS.					
depth at 1/2 the half breadth, as per Rule						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
height extended at the Bilges						Rider Plate					
FLOORS & BRACKETS, in Cell Dble Bottoms						Bulb Plate to Intercoastal Keelson					
state if flanged (top & bottom)						Horizontal Plates on Floors					
Spacing						Angles					
CENTRE GIRDER, in Double Bottom, depth and thickness						SIDE KEELSON, Angles					
Angles, Top						Bulb or Plate above floors for lng.					
Bottom						Intercoastal Plate for length					
SIDE GIRDERS, number on each side & thickness						Attached to outside plating with Angle					
state if flanged (top & bottom)						BILGE KEELSON, Angles <i>(One)</i>					
Angles						Bulb or Plate above floors for lng.					
MARGIN PLATE, depth (exclusive of flange) and thickness						Intercoastal Plate for length					
Angles to Outside Plating						Attached to outside plating with Angle					
Floors						BILGE STRINGER Angles					
Height of Floors at the Bilges						Bulb Plate for length					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Intercoastal Plate for length					
thickness in Engine and Boiler space						Attached to outside plating with Angle					
Remainder in Holds						SIDE STRINGER Angles <i>(One)</i>					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Bulb or Intercoastal Plate for lng.					
Angles on Upper Edge						Attached to outside plating with Angle					
Spacing						Main and Raised Quarter Deck Stringer Plate, breadth and thickness					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Angle on ditto					
Angles on Upper Edge						Tie Plates, outside Hatchways					
Spacing						Diagonal Tie Plates on Bms., No. of Pairs					
BEAMS, Hold, Plate or Tee Bulb						Main Dk* Iron or Steel for lng.					
Angles on Upper Edge						R. Q. Dk* Iron or Steel for lng.					
Spacing						Wood Deck, Material & thickness <i>P.P. Iron</i>					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						Lower Deck Stringer Plate, breadth and thickness					
Angles on Upper Edge						Angles on ditto, No.					
Spacing						Tie Plates, outside Hatchways					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb						Deck* Material and thickness					
Angles on Upper Edge						Hold Stringer Plate					
Spacing						Angles on ditto, No.					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						Poop Deck Stringer Plate, breadth & thickness					
Angles on Upper Edge						Angle on ditto					
Spacing						Tie Plates					
PILLARS, In 'tween Decks, Size and Spacing						Deck, Material and thickness					
Hold						Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness					
Quarter, 'tween Dks.,						Angle on ditto					
in Hold						Tie Plates					
WEB FRAMES, In Fore Body, No. and Spacing						Deck, Material and thickness					
No. of Side Stringers						Forecastle Deck Stringer Plate, brdth & thcknss					
WEB FRAMES, In E. & B. Space, No. & Spacing						Angle on ditto					
Brdth. & Thickness						Tie Plates					
WEB FRAMES, In After Body, No. and Spacing						Deck, Material and thickness <i>P.P. Iron</i>					
Brdth. & Thickness						* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
No. of Side Stringers						BULKHEADS.					
Size of Angles or Tee Bars to Web Frames						In Vessel. Per Rule. Thickness.					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						Horizontal. Vertical.					
						Size. Spacing. Size. Spacing.					
						Inches. Inches. Inches. Inches.					
						W.T. BULKHEADS					
						PARTITION					
						LONGITUDINAL					
						Are the outside Plates doubled two spaces of Frames in length? <i>Diamond plate fitted</i>					
						Are the Sluice Valves and Watertight Doors in efficient working order? <i>yes</i>					

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		SHEER EDGES.		RIVETING.		BUTTS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	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)	32	7	7	7	32	7	Double	2 1/2	4 1/2	3 1/2	2 1/2	2 1/2	9 1/2	7
GARBOARD OF A STRAKE														
B "		6	6	6		6								5
C "		6	6	6		6								
D "		6	6	6		6								
E "		6	6	6		6								
F "	31	8	7	7	31	8							9 1/2	8
G "														
H "														
J "														
K "														
L "														
M "														
N "														
O "														
P "														
DOUBLING of Flat Plate Keel														
Length of Bilges														
Length of Sheerstrakes														
Length of Strake below														
POOP SIDES		8		7										
RAISED QUARTER DECK SIDES														
BRIDGE SIDES														
FORECASTLE SIDES														
LENGTHS OF PLATING	Run from spaces.													

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 S. & S. Co., Jarrow-on-Tyne.
Consett.

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 frame) state if ordinary or joggled *Ordinary.*

MASTS, SPARS, &c.

LOWER MASTS.	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	P. Pine	42-0	13								
Main											
Mizen	Steel	30-9	12								

Bowsprit *✓*

Topmasts, Yards and Remainder of Spars *Pitch pine.*

Rigging, Material and Size, Shrouds *Woolen wire, 3 1/2" - 2 1/2"* Stays *3 1/2" - 2 3/4"*

Sails *On* Suit of Sails and the following spare sails *✓*

Equipment No. *✓* Letter *✓* Tonnage U.D.K. or Plating No. for Trawlers *5010.*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.						
145	1st Bower	5	1	14	1	1	0	4	14	0	7	5	1	0	Rodgers	Vulcan Co. L.P.H.C.H. 20-5-06. Dudley
142	2nd "	4	2	12	1	0	18	7	0	0	0	4	3	0	"	" " " 10-5-06
139	3rd "	2	1	25	-	2	22	5	0	0	0	2	2	0	"	" " " 10-5-06
	Collective weight															
	Stream															
	Kedge															

+ See Secretary's letter 18-9-06

CHAIN CABLES.

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.	Length and size per Table 22.
			Supplied.	Per Table 22.	Length.								
1833	90 1 18 27	47-0-15	45-3-17	90 1 18 27	47-0-15	45-3-17	90 1 18 27	47-0-15	45-3-17	90 1 18 27	47-0-15	45-3-17	90 1 18 27

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	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.	Length and size per Table 22.
1833	90 1 18 27	47-0-15	45-3-17	90 1 18 27	47-0-15	45-3-17	90 1 18 27	47-0-15	45-3-17	90 1 18 27

Boats *On*

Pumps, Number *Four* Diameter of Barrel *6 x 4* State whether they are in efficient working order *Yes*

Windlass is *by Cochrane & Sons.* Capstan *✓*

Engine Room Skylights—How constructed? *Teak*

What arrangements for deadlights in bad weather? *Teak shutters and bullrogs.*

Coal Bunker Openings—How constructed? *Cast iron rings.* How are lids secured? *Screwed* Height above deck? *8 ft.*

Number of Scuppers, and number and dimensions of **Freeing Ports, &c.** *On each side, 4 scuppers, 4 freeing ports 18 x 9.*

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) *2-10 x 2-10* No. 2 Hatch *2-0 x 2-10* No. 3 Hatch *2-10 x 2-10* No. 4 Hatch *2-10 x 2-10*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *✓*

Bulwarks, height above deck and description *2-6 x 6-5* No. of Breasthooks *Four* No. of Crutches *1 x 1 1/2 ft.*

The above is a correct description. Main Rail and Stays, material and size *6 1/2 x 3 x 3/4 Steel B.A.*

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) 11-5-06, 18-9-06.

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)? *Scawler* 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

Accompanying this Report;—Plan of Midship Section, and Report on ships' forgings.

This is a sister vessel to the "Aurora." Hull Report No. 18458

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 *65-5* ft., Bridge Dk. *✓* ft., F'castle *17-5* 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 D.K.*

Official No. *✓*; 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 *✓*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		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 *✓* (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 *✓*

Order for Special Survey No. *1608* Date *15/5/06* in builder's yard

DATES of Surveys held while building *1906: May 11. 18. 28. June 1. 6. 8. 9. 11. 15. 22. 28. July 6. 11. 20. 27. 31. Aug. 10. 15. 21. 31. Sep. 3. 14. 19. Oct. 16. 18. 25. 30. Nov. 3.*

Total No. of Visits *28*

The amount of Entry Fee *£ 2 : 0 : 0* Fees applied for, *6/11/1906*

Special *£ 11 : 5 : -* Received by me, *8/11/1906*

Travelling Expenses, if any *£ 14 : 8*

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

I am of opinion this Vessel should be Classed *100 A1, Steam Trawler.*

With, or without Freeboard, as condition of Class *Without.*

Committee's Minute *TUES. NOV 13 1906*

Character assigned *100 A1 Steam Trawler*

Lloyds 276.P. W. + L.M. 6. 1006

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