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

~~IRON OR~~ STEEL STEAMER.

No. 18936

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

Received at London Office, TUES. 7 MAY 1907

Date of completion of Report 24th April 1907. *Port of* Hull

Date, First Survey Nov. 15/06 *Last Survey* April 17th 1907.

Survey held at Selby

On the Steam Trawler "ORLANDO." *Rig* Ketch.

TONNAGE under Tonnage Deck	261.87
Do. of Poop	
Do. of Raised Qr. Dk. or Break	4.29
Do. of Bridge House	
Do. of Forecastle Break	
Do. of Houses on Deck	6.40
Do. of excess of Hatchways	
Do. above Crown of Engine Room	
Gross Tonnage	275.56
Less Crew Space	27.32
Less above Crown of Engine Room	
TONNAGE FOR FEES	248.24
Less Engine Room	114.71
Less Navigation Spaces	9.76
Register Tonnage *as cut on Beam*	123.77

ONE ~~OR TWO~~ DECKED VESSEL.

CLASS ✠ 100 A1 "Steam Trawler."

	Feet.
Half Breadth *(moulded)*	10.95
Depth *from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)*	14.29
Girth *of Half Midship Frame (as per Rule)*	20.95
1st Number	46.19
Length *on deck from after part of stem to fore part of stern post*	126.84
2nd Number	5860
Proportions—*Breadths to Length*	5.4
Depths to Length—Main Deck to top of Keel	8.8

Master ✓

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

Built at Selby.

When built 1907. *Launched* 14th February.

By whom built Cochrane & Sons.

Owners The Dolphin Steam Fishing Co: Ltd.

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

Residence Grimsby.

Port belonging to Grimsby.

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

LENGTH on Deck as per Rule	Feet.	Inches.
	126	10½

BREADTH— Moulded	Feet.	Inches.
	21	10¾

DEPTH, ACTUAL— Top of Floors to top of Main Deck Beams	Feet.	Inches.
	13	1

No. of Decks with Flat laid One

No. of Tiers of Beams One

Dimensions of Ship per Register, Length, 128-0 breadth, 22-0 depth, 13-02. Moulded Depth, 13 ft. 10 ins. Round of Beam, Actual 7 ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as	Inches per Rule Approved.	16ths per Rule ved.
FRAME, Angles, ~~T, L or L Bars,~~ for ⅛ length amidships	4	3	6/20	4	3	6/20
Do. for ⅛ at each end		✓				
Do. in way of Double Bottoms at Solid Floors		✓				
" " at intermdt. Bkts.		✓				
Spacing of Frames from centre to centre		20			20	
REVERSED FRAME, Angles	2½	2½	4	2½	2½	4
DEEP FRAMING, depth of girder		4			4	
FLOORS, depth and thickness of Floor Plate at mid-line for ⅛ length amidships	16		6	16		6
" in way of Engines and Boilers			7			7
" thickness at the ends of vessel			5			5
" depth at ¼ the half breadth, as per Rule	Straight		across			
" height extended at the Bilges		Rule	plan.			
FLOORS & BRACKETS, in **Cell Dble Bottoms**		✓				
" " state if flanged (top & bottom)		✓				
" " Spacing		✓				
CENTRE GIRDER, in Double Bottom, depth and thickness		✓				
" " Angles, Top		✓				
" " " Bottom		✓				
SIDE GIRDERS, number on each side & thickness		✓				
" " state if flanged (top & bottom)		✓				
" Angles		✓				
MARGIN PLATE, depth (exclusive of flange) and thickness		✓				
" Angles to Outside Plating		✓				
" " Floors		✓				
" Height of Floors at the Bilges		✓				
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**		✓				
" " thickness in Engine and Boiler space		✓				
" " " Remainder in Holds		✓				
BEAMS, Main ~~and Raised Quarter~~ Deck, Single Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	8	5	3	8
" Angles on Upper Edge		✓				
" Spacing		40			40	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		✓				
" Angles on Upper Edge		✓				
" Spacing		✓				
BEAMS, Hold, Plate or Tee Bulb		✓				
" Angles on Upper Edge		✓				
" Spacing		✓				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb		✓				
" Angles on Upper Edge		✓				
" Spacing		✓				
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb		✓				
" Angles on Upper Edge		✓				
" Spacing		✓				
BEAMS, Forecastle Deck, Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	8	5	3	8
" Angles on Upper Edge		✓				
" Spacing		40			40	
PILLARS, In 'tween Decks, Size and Spacing		✓				
" " **Hold** " "	2½	As arranged.				
" **Quarter, 'tween Dks.,** " "		✓				
" " **in Hold** " "		✓				
WEB FRAMES, In Fore Body, No. and Spacing		✓				
" " " Brdth. & Thickness		✓				
" No. of Side Stringers " "		✓				
WEB FRAMES, In E. & B. Space, No. & Spacing		✓				
" " " Brdth. & Thickness		✓				
WEB FRAMES, In After Body, No. and Spacing		✓				
" " " Brdth. & 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. Or as Approved.
KEEL, Bar or Side Plates depth and thickness	4½ x 1⅝	4½ x 1⅝
STEM, moulding and thickness. Bulb plate.	4½ x 1⅝	4½ x 1⅝
STERN-POST for Rudder do. do.	6 x 3	6 x 3
" for Propeller		
MAIN PIECE of **Rudder,** diameter at head	4½	4½
do. at heel	3½ x 3	3½ x 3

RUDDER, how constructed Forged iron frame. 2 Plates.

Can the Rudder be unshipped afloat? Yes

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as	Inches per Rule Approved.	16ths per Rule ved.
CENTRE LINE KEELSON, Vertical Plate above floors, ~~Through Plate, or Intercostal Plate~~ Bulb	4½		7	7½		7
" Rider Plate		✓				
" Bulb Plate to Intercostal Keelson		✓				
" Horizontal Plates on Floors		✓				
" Angles	4	3	7	4	3	7
SIDE KEELSON, Angles		✓				
" Bulb or Plate above floors for lng.		✓				
" Intercostal Plate for length		✓				
" Attached to outside plating with Angle		✓				
BILGE KEELSON, Angles	3	3	6	3	3	6
" Bulb or Plate above floors for lng.		✓				
" Intercostal Plate for length		✓				
" Attached to outside plating with Angle		✓				
BILGE STRINGER Angles	3	3	6	3	3	6
" Bulb Plate for length		✓				
" Intercostal Plate for length		✓				
" Attached to outside plating with Angle		✓				
SIDE STRINGER Angles	3	3	6	3	3	6
" ~~Bulb or~~ Intercostal Plate for Bulb lng.			4			4
" Attached to outside plating with Angle	3	3	6	3	3	6

Main ~~and Raised Quarter~~ Deck Stringer Plate, breadth and thickness	50		5	50		5
" Angle on ditto	3 x 3		6	3 x 3		6
" Tie Plates, outside Hatchways	8		6	8		6
" Diagonal Tie Plates on Bms., No. of Pairs	✓					
" Main Dk* ~~Iron or~~ Steel for Machinery Space lng.			7/20			7/20
" R. Q. Dk* Iron or Steel for lng.	✓					
" Wood Deck, Material & thickness P. Pine	3			3		
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, brdth & thckns			5			5
" Angle on ditto	3 x 3		6	3 x 3		6
" ~~Tie~~ Plates Deck plated over			4			4
" Deck, Material and thickness P. Pine	3			3		

* *If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.*

BULKHEADS. STIFFENERS.

	Number. In Vessel.	Number. Per Rule.	Thickness. 16ths or 20ths.	Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up.
W.T. BULKHEADS	4	4	4	3 x 2½ x	5/16		48 30	Dble	Dk
PARTITION "	✓								
LONGITUDINAL "	✓								

Are the outside Plates doubled two spaces of Frames in length? Diamond Plates.

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? Yes.

Rpt. 1A. 5c.6,6.

PLATING. / RIVETING.

STRAKES.	As in Ship – Amidship – Breadth (Inches)	As in Ship – Amidship – Thickness (16ths)	Forward – Thickness (16ths)	Aft – Thickness (16ths)	Per Rule or as Approved – Amidship – Breadth (Inches)	Per Rule – Thickness (16ths)	Edges (Lower) – Ordinary or Joggled? Ordinary – Single or Double	Breadth of Lap (Inches)	Rivets – Diam. (Inches)	Rivets – Spacing cr. to cr. (Inches)	Butts – Double or Treble and for what Length	Butts – Rivets – Diam. (Inches)	Butts – Rivets – Spacing cr. to cr. (Inches)	Straps – Breadth (Inches)	Straps – Thickness (16ths)	If Lapped – Breadth (Inches)	If Lapped – For what Length (Feet)
Flat Plate Keel (If Bar Keel, state Riveting)	Bar keel								1	5							
Garboard or A Strake	32	8	7	7	32	8					Treble full L	3/4	2 5/8	9 3/4	9		
B (State actual thickness in way of Double Bottom)		7	6	6		7	Double	4 1/2	3/4	3 1/3	" " "	"	"			5	Full
C		7	6	6		7	"	"	"	"	" " "	"	"			"	"
D		7	6	6		7	"	"	"	"	" " "	"	"			"	"
E		7	6	6		7	"	"	"	"	" " "	"	"			"	"
Sheer F	31	8	7	7	31	8	"	"	"	"	" " "	"	"	9 3/4	8		
G																	
H																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Doubling of Flat Plate Keel	✓																
Length and thickness of Bilges	✓																
of Sheerstrakes	✓																
of Strake below	✓																
Poop Sides	✓																
Raised Quarter Dk. Sides	✓																
Bridge Sides	✓																
Forecastle Sides			5														
Lengths of Plating	Seven frame spaces.										Double						

Write 'Sheer Strake' opposite its corresponding letter.

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. Frodingham. Consett.

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

Main Stringer Plate { **Butts,** ~~treble~~ double riveted for full length ~~amidship.~~ / **Straps,** ~~single, double or~~ overlapped for full length ~~amidship~~ }

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? 3 & D.

Inner Bottom Plating, riveting of **Edges** ✓ **Butts** ✓

Centre Girder Butts, ✓ riveted. **Keelson Butts,** Treble riveted.

Frames, riveted through Plates with 3/4 in. Rivets, about 5 apart.

Rivets, state whether of Iron or Steel Iron

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 floors. (Single angle frame) state if ordinary or joggled Ordinary

MASTS, SPARS, &c.

Lower Masts	Material.	Total length.	Diameter and Thickness – At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles – Number.	Size.	Riveting – Seams.	Butts.
Fore	P. Pine	43-0	13								
Main											
Mizen	Steel	33-6	11								

Bowsprit ✓

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

Rigging, Material and Size, **Shrouds** Galvd. wire **Stays** Galvd. wire.

Sails. One Suit of Sails and the following spare sails ✓

Equipment No. ✓ Letter ✓ ~~Tonnage U.Dk. or~~ Plating No. for Trawlers 5860.

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex Stock – Cwts.	qrs.	lbs.	Weight of Stock – Cwts.	qrs.	lbs.	Test, per Certificate – Tons.	Cwts.	qrs.	lbs.	Weight Required by Table 22 – Cwts.	qrs.	lbs.	Description of Anchor. (If Patent state Name of Patentee.)	Makers.	Where and when tested and Superintendent. (If Stockless, state Mechanical Tests.)
1095	1st Bower +	7	0	16	Stockless			9	7	0	21	7	0	21	Gauns Zinck Grip	J. Green	L.P.H.-C.H. 19-1-07. Dudley
1096	2nd " +	7	0	16	"			9	7	0	21	6	2	7	" "	"	" 19-1-07 "
1080	3rd "	2	3	22	0	3	10	5	10	0	0	3	0	0	Rodgers	"	" 19-1-07 "
	Collective weight																
	Stream	✓															
	Kedge	✓															

+ The Rule tests on these cast steel anchor heads are vouched for by C. E. Perrins.

CHAIN CABLES.

Number of Certificate.	Length and size supplied – Length (Fathoms)	Diam. (Ins.)	Test per Certificate – Statutory (Tons)	Breaking (Tons)	Weight of Chain Cable – Supplied (Cwts. qrs. lbs.)	Per Table 22 (Cwts. qrs. lbs.)	Length & Size per Table 22 – Length (Fathoms)	Diam. (Ins.)	Description.	Makers of Cables.	Where and when tested and Superintendent.
39799	105	1 1/16	20 3/10	30 4/10	61-3-14	60-2-18	105	1 1/16	Stud Link	J. Green	L.P.H.-N-21.1-07. Green
Iron Stream Chain or Steel Wire	✓										

HAWSERS AND WARPS.

Material.	Length and Size supplied – Length (Fathoms)	Cir. (Ins.)	Breaking Test of Steel Wire Towline (Tons)	Length and Size per Table 22 – Length (Fathoms)	Cir. (Ins.)
Towline	✓				
Hawsers & Warps	60	6		60	6
Manilla	60	5		60	5
" "					

Boats One.

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

Windlass is by Emmerson Walker & Thompson Bros' (Steam) **Capstan** ✓

Engine Room Skylights.—How constructed? of Teak

What arrangements for deadlights in bad weather? Teak flaps and bullseyes.

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

Number of **Scuppers,** and number and dimensions of **Freeing Ports,** &c. One each side. Scuppers, 4 Freeing Ports 15" × 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 2"

State size **No. 1 Hatch** (Forward) 2'-10" × 2'-10" **No. 2 Hatch** 2'-10" × 2'-10" **No. 3 Hatch** 2'-10" × 2'-10" **No. 4 Hatch** 2'-10" × 2'-10"

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

No. of Breasthooks Five **No. of Crutches** One + deep floors

Bulwarks, height above deck and description 2'-8" × 6.5/16" Main Rail and Stays, material and size 6 1/2" × 3" × 8/20". Steel B.R.

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.

Rpt. 1A.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) (M) 12-11-06. 16-11-06. (2) 28-12-06.

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 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. 23, par 24)? Trawler 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 letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this Report:- Plans of Midship Section, Profile and Deck, Pumping Arrangements, and two Reports on ships forgings.

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 22.5 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. 125055; 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, (If necessary, furnish further information by sketch.)	✓		
	Total capacity ✓			State whether the above have been tested as required by the Rules ✓			

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1684 Date 15/11/06 No. 393 in builder's yard.

Dates of Surveys held while building: 1906:- Nov 15. 23. Dec 1. 7. 10. 14. 18. 1907:- Jan 8. 14. 22. 28. Feb 4. 8. 12. 22. 26. Mar 7. 14. 22. Apr 17.

Total No. of Visits 20

The amount of Entry Fee £2 : - : - Fees applied for, 6/5/07 1907 / 13.5.07
Special £12 : 8 : - Received by me, 8/5/07 19 / 9.5
Travelling Expenses, if any £ - : 10 : -

Certificate to be sent to Hull

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

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

The Surveyors are requested not to write on or below the Committee's Minute.

Committee's Minute FRI. 10 MAY 1907

Character assigned 100 A1 (Stl) Stm trawler

Lloyd's a.t.c.p. 1 June 4.07

Certificate Issued 1/6/07