

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

IRON OR STEEL STEAMER.

No. 19603

THUR. 21 NOV 1907

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

Date of completion of Report *19th November 1907*

Port of Hull

Date, First Survey *May 7th*

Last Survey

Nov. 7th 1907.

Survey held at *Selly*.

On the *Steam Trawler "BELLONA"*

TONNAGE under
Tonnage Deck... *166.46*

Do. of Poop *12.54*

Do. of Raised Qr. *1.33*

Do. of Bridge House *3.70*

Do. of Forecastle *1.33*

Do. of Houses on Deck *3.70*

Do. of excess of Hatchways

Do. above Crown of

Engine Room *184.03*

Gross Tonnage *184.03*

Do. Space

Do. Crown of

Do. Room *92.96*

Do. FOR FEES *3.00*

Engine Room *92.96*

Navigation Spaces *3.00*

Net Tonnage *89.07*

Net on Beam *89.07*

ONE OR TWO DECKED VESSEL.

CLASS *100A1, Steam Trawler*

Half Breadth (moulded) *10.70*

Depth from upper part of Keel to top of Main Deck Bms. *12.43*

Girth of Half Midship Frame (as per Rule) *18.58*

1st Number *41.71*

Length on deck from after part of stem to fore part of stern post *103.87*

2nd Number *4332*

Proportions—Breadths to Length *4.85*

Depths to Length—Main Deck to top of Keel *8.35*

Destined Voyage *Fishing*

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

Master

Year of appointment *1907*

Built at *Selly*

When built *1907* Launched *24th August*

By whom built *Cochran & Sons*

Owners *The Consolidated Steam Fishing Co. Ltd.*

Managers

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

Residence *Grimsby*

Port belonging to *Grimsby*

DEPTH on Deck as Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
	103	10 1/2		21	4 3/4		11	2	One	One

Dimensions of Ship per Register, Length, *105-0* breadth, *21-5* depth, *11-17* Moulded Depth, *12 ft. 0* ins. Round of Beam, Actual *6* ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	16ths on 20ths in Ship.	Inches per Rule Or as	Inches per Rule Or as	16ths on 20ths in Ship.
ME, Angles, <i>7-E or L</i> Bars, for 1/2 length amidships	4	3	8/20	4	3	8/20
o. for 1/2 at each end						
o. in way of Double Bottoms at Solid Floors						
" " at intermdt. Bkts.						
ing of Frames from centre to centre	2 1/2	2 1/2	4	2 1/2	2 1/2	4
VERSED FRAME, Angles	2 1/2	2 1/2	4	2 1/2	2 1/2	4
EP FRAMING, depth of girder	4			4		
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16		6	16		6
" in way of Engines and Boilers			7			7
" thickness at the ends of vessel			5			5
" depth at 1/2 the half breadth, as per Rule	<i>Straight across plan.</i>					
" height extended at the Bilges						
DOORS & BRACKETS, in Cell Dble Bottoms						
" " state if flanged (top & bottom)						
" " Spacing						
ENTRE GIRDER, in Double Bottom, depth and thickness						
" " Angles, Top						
" " " Bottom						
IDE 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	42			42		
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, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	8	5	3	8
" Angles on Upper Edge						
" Spacing	42			42		
PILLARS, In 'tween Decks, Size and Spacing						
" " Hold	2 1/2			<i>As arranged</i>		
" " 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	7 1/2 x 1 1/4	7 1/2 x 1 1/4
STEM, moulding and thickness (Bulb plates)	7 1/2 x 1 1/4	7 1/2 x 1 1/4
STERN-POST for Rudder do. do.	6 x 2 1/2	6 x 2 1/2
" for Propeller	4 1/4	4 1/4
MAIN PIECE of Rudder, diameter at head do. at heel	3 1/2 x 3	3 1/2 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 on 20ths in Ship.	Inches per Rule Or as	Inches per Rule Or as	16ths on 20ths in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	7 1/2		7	7 1/2		7
" Rider Plate						
" Bulb Plate to Intercoastal Keelson						
" Horizontal Plates on Floors						
" Angles	4	3	7	4	3	7
SIDE KEELSON, Angles						
" Bulb or Plate above floors for lng.						
" Intercoastal Plate for length						
" Attached to outside plating with Angle						
BILGE KEELSON, Angles <i>(Om.)</i>	5	4	8/20	5	4	8/20
" 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>(Om.)</i>	5	4	8/20	5	4	8/20
" Bulb or Intercoastal Plate for lng.						
" Attached to outside plating with Angle						

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 lng.				
" R. Q. Dk* Iron or Steel for lng.		7/20		7/20
" Wood Deck, Material & thickness <i>P. Pine</i>	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 & thcknss		5		5
" Angle on ditto	3 x 3	6	3 x 3	6
" Tie Plates <i>Deck plated over</i>		5		5
" Deck, Material and thickness <i>P. Pine</i>	3		3	

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

BULKHEADS.	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
	In Vessel.	Per Rule.	Size, Spacing.	Size, Spacing.		
W.T. BULKHEADS	3	3	5/16	3 x 2 1/2 x 7/16	48	<i>Plated over</i>
PARTITION						
LONGITUDINAL						

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

PLATING.										RIVETING.																																																																																																																																													
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FLAT PLATE KEEL	32	7	6	6	32	7	6	6	32	7	6	6	32	7	6	6	32	7	6																																																																																																																																				
GABBOARD OR A STRAKE	32	7	6	6	32	7	6	6	32	7	6	6	32	7	6	6	32	7	6																																																																																																																																				
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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. <i>Mild steel South Durham, Tinningham, Corbett.</i>																																																																																																																																																							
Has the Steel been tested as required by the Rules <i>Yes.</i>																																																																																																																																																							
FRAMES extend in one length from <i>Keel</i> to <i>gunwale</i> state if ordinary or joggled <i>Ordinary.</i>																																																																																																																																																							
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Boats <i>One</i>																																																																																																																																																							
Pumps, Number <i>Three</i> Diameter of Barrel <i>6" - 4"</i> State whether they are in efficient working order <i>Yes</i>																																																																																																																																																							
Windlass is by <i>Cochran & Co.</i> Capstan <i>Yes</i>																																																																																																																																																							
Engine Room Skylights.—How constructed? <i>Teak</i>																																																																																																																																																							
What arrangements for deadlights in bad weather? <i>Teak flaps and bullseyes.</i>																																																																																																																																																							
Coal Bunker Openings.—How constructed? <i>Cast iron rings</i> How are lids secured? <i>Secured</i> Height above deck? <i>Flush.</i>																																																																																																																																																							
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>On each side 6 Scuppers, 3 freeing ports 18" x 9"</i>																																																																																																																																																							
Ceiling in Holds, thickness and material <i>2" pine.</i> Cargo Battens, thickness and material <i>Yes</i>																																																																																																																																																							
Cargo Hatchways.—How formed? <i>Plates and angles.</i> Hatches.—If strong and efficient? <i>Yes</i>																																																																																																																																																							
State size No. 1 Hatch (Forward) <i>2.6 x 2.10</i> No. 2 Hatch <i>2.0 x 2.10</i> No. 3 Hatch <i>2.10 x 2.10</i> No. 4 Hatch <i>2.10 x 2.10</i>																																																																																																																																																							
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>Yes</i>																																																																																																																																																							
Bulwarks, height above deck and description <i>3.6 x 5/16</i> No. of Breasthooks <i>Four</i> No. of Crutches <i>Two</i>																																																																																																																																																							
The above is a correct description. Main Rail and Stays, material and size <i>1 1/2 x 3/4 Steel B.A.</i>																																																																																																																																																							
Builder's Signature <i>Bochman & Sons</i> Surveyor's Signature <i>Allison B. Wilson</i>																																																																																																																																																							
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) 19.4.07, 10.5.07

(L) 20.6.07.

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)? *Sealer* 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 Surveyor's letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this Report; Plans of Midship Section, and Report on Ships Gearing.

This is a sister vessel to the "Bellaphon", Hull Report No 19590

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 *6.7* ft., Bridge Dk. *✓* ft., Forecastle *5.2* 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. *125054*; 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.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	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. *1691* Dates of Surveys held while building *1907: May 7. 13. 17. 22. 29. Jun 4. 11. 14. 20. 25. 27. July 4. 9. 17. 30. 31. Aug 15. 21. 27. Sep 5. 12. 16. 23. Oct 14. 23. 25. 29. 31. Nov 7.*

Date *30/4/07*

No. *418* in builder's yard

Total No. of Visits *29*

The amount of Entry Fee *£ 1 : : : 20/4/1907* Fees applied for, *Special* *£ 9 : 4 : : 22.11.07* Received by me, *25/11/07*

Travelling Expenses, if any *£ : 15 : -*

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

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

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

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

Committee's Minute *FRI. 22 NOV 1907*

Character assigned *100A1 Steam Trawler*

Lloyds A & B.P. + L.M.B. 11.07

J.P.D.

0104 1/2