

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office. TUE JUL 2-1912

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

Date of completion of report *25th June 1912* Port of *Hull*  
Survey held at *Selly* Date, First Survey *22.6.12* Last Survey *June 26th 1912*  
On the *Steam Trawler "BONAR LAW."* Rig *Ketch.*

TONNAGE under  
Tonnage Deck... 250.28  
Do. between Tonnage Dk. and 3rd and 4th Dk.  
Total under Upper Dk.  
Do. of Poop  
Do. of R.Q.Dk. 15.52  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Dk. 7.35  
Do. of excess of Hatchways  
Do. above Crown of Engine Room 11.97  
Gross Tonnage 285.12  
Less Crew Space 21.53  
Less above Crown of Engine Room 11.97  
TONNAGE FOR FEES... 251.62  
Less Engine Room 139.39  
Less Navigation Spaces 10.16  
+ Above Crown of Engine Room 11.97  
Register Tonnage as out on Beam 114.04

CLASS *Steam Trawler* FEET.  
Breadth (greatest moulded) 22.58  
Depth, at middle of length from top of keel to top of upper deck beams at side 12.75  
Transverse Number 35.63  
Length on deck from fore part of stem to after part of stern post 133.33  
Longitudinal Number 4450  
Depth "d," at middle of length (See Secs. 2 & 13) 11.42  
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 10.45  
" " Long Bridge Deck Beam at side to top of keel

Master *C. Sutherland*  
Year of appointment (1) As Master in service of owner of present vessel: 1907 (2) As Master of this vessel: 1912  
Built at *Selly*  
When built 1912 Launched 20th April  
By whom built *Cochrane & Sons.*  
Owners *Pickering & Haldane's Steam Trawling Co. Ltd*  
Managers (Where necessary to be entered in Reg. Book.)  
Residence *Hull*  
Port belonging to *Hull*

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

LENGTH on Deck as per Rule 133 4 BREADTH Moulded 22 10 2 DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 12 0 Do. do. do. do. Second Dk. Beams 12 0 No. of Decks with flat laid One No. of Tiers of Beams One

Dimensions of Ship per Register, Length 133.5 breadth 23.05 depth 12.0 Moulded depth, ft. 12 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 7 ins.

FRAMING.				PILLARS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or <i>C</i> or <i>L</i> Bars amidships	4	3	8/20	4	3	8/20	
Do. in peaks							
Do. in way of Double Bottoms at Solid Floors							
" " at intermdt. Bkts.							
Spacing of Frames from centre to centre amidships	20		20				
" " " from $\frac{1}{2}$ length to Collision bulkhead in peaks	10	20	10				
REVERSED FRAME, Angles	2 1/2	2 1/2	4	2 1/2	2 1/2	4	
Do. in way of Double Bottoms at Solid Floors							
" " at intermdt. Bkts.							
FRAMING, depth of girder	16	4	16	4			
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships			7			7	
" in way of Engine and Boiler Spaces			5			5	
" thickness at the ends of vessel							
" depth at $\frac{1}{2}$ the half breadth, as per Rule	Straight across			On plan			
" height extended at the Bilges							
FLOORS & BRACKETS in Cell Dble Bottoms							
" " state if flanged (top & bottom)							
" " Spacing							
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.							
" " Angles, Top							
" " " Bottom							
" " " to Floors							
IDE GIRDERS, number on each side & thickness							
" " state if flanged (top and bottom)							
" " Angles (top and bottom)							
" " " to Floors							
MARGIN PLATE, depth (exclusive of flange) and thickness							
" " Angles to Outside Plating							
" " " Floors							
" " Height of Brackets above at bilge							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
" " in Engine and Boiler space							
" " Remainder in Holds							
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5	3	8	5	3	8	
" " Angles on upper edge							
" " In way of Long Bridge							
" " Spacing	40		40				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	4	3	6	4	3	6	
" " Angles on upper edge							
" " Spacing	26		26				
KEELSONS & STRINGERS.				Upper Deck Stringer Plate, br'dth & thickness			
Inches in Ship	Inches in Ship	Inches in Ship	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	8 1/2		8 1/2	50	5	50	5
" " Rider Plate							
" " Flat Plate Keel Angles							
" " Horizontal Plates on Floors							
" " Angles or Bulb Angles	4	3	8	4	3	8	
SIDE KEELSONS, Number							
" " Angles or Bulb Angles							
" " Plate above floors, for length							
" " Intercoastal Plate, for length							
" " Attached to outside Plating with Angle							
BILGE KEELSON, Angles	5	4	8	5	4	8	
" " Intercoastal Plate for length							
" " Attached to outside Plating with Angle							
SIDE STRINGERS, Number							
" " Angle	5	4	8	5	4	8	
" " Intercoastal Plate, for length							
" " Attached to outside plating with Angle							
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)							
" " " " br'dth & thickness (in way of Bridge)							
" " " " Angle (clear of Bridge)	3 x 3	6	3 x 3	6			
" " Tie Plate at sides of Hatchways	8	6	8	6			
" " Deck * Iron or Steel, for length	20	7	5/16	7/20	7	5/16	
" " Thickness (clear of Bridge)							
" " (in way of Bridge)							
" " Wood Deck. Material & thickness P. Pine	3		3				
Second Deck Stringer Plate, br'dth & thickness							
" " Angles on ditto, No.							
" " Tie Plates outside Hatchways							
" " Deck * Iron or Steel, for length							
" " Wood Deck. Material & thickness							
Third Deck Stringer Plate, br'dth & thickness							
" " Angles on ditto, No.							
" " Tie Plates, outside Hatchways							
" " Deck * Material and thickness							
Fourth and Fifth Deck Stringer Plate, breadth & thickness							
" " Angles on ditto, No.							
" " Tie Plates outside Hatchways							
" " Deck. Material & thickness							
Poop Deck Stringer Plate, breadth & thickness							
" " Angle on ditto							
" " Tie Plates							
" " Deck. Material and thickness							
Bridge Deck Stringer Plate, br'dth & thickness							
" " Angle on ditto							
" " Tie Plates							
" " Deck. Material and thickness							
Forecastle Deck Stringer Plate, b'dth & th'kns	5		5				
" " Angle on ditto							
" " Tie Plates							
" " Deck. Material and thickness	4		4				

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

[illegible]

EQUIPMENT No.			LETTER			ANCHORS.			TONNAGE U.K. OR PLATING No. FOR TRAWLERS			TUE JUL 2-1912		
Number of Certificate.	Anchors.	WEIGHT, EX STOCK	WEIGHT OF STOCK			TEST PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.				
67321	1st Bower ...	7 1 21	Atkins	9	11	2	7	7	1	0	Brown Zincplate	J. Brown	L.P.H.N. 23-4-12	
67322	2nd " ...	6 2 15	"	9	0	0	0	6	2	0	"	"	" 23-4-12 "	
67323	3rd " ...	3 0 11	"	3	9	5	12	0	21	3	0	Rodgers	" 24-4-12 "	
	Collective weight													
	Stream .....													
	Kedge.....													

  

CHAIN CABLES.										HAWSEWS AND WARPS.														
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 31.		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 31.		
	Fathoms.	Inches.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Inches.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Inches.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Inches.	Tons.	Tons.	Fathoms.	Inches.
48981	105 5/8	1 1/2	20 3/4	30 1/4	60-3-4	60-2-21	105	1 1/2	Steel	Sink J. Brown	H.L.M.N. 24-4-12	H. Brown, Supr.	2 Samples of FOWLING Laid Wires each HAWSEWS & WARPS Manila	350 3/4	6	15 1/2	60	6	60	5	60	5	60	5

**Boats** One  
**Pumps, Number** Three  
**Windlass** is by Remond & Grou (Steam)  
**Engine Room Skylights**.—How constructed? Of Steel  
**Coal Bunker Openings**.—How constructed? Cast iron rings  
**Number of Scuppers**, and numbers and dimensions of **Freeing Ports, &c.** On each side, 6 Scuppers.  
**Ceiling in Holds**, thickness and material 2" pine  
**Cargo Hatchways**.—How formed? Plated and angled.  
**State size No. 1 Hatch** (Forward) No. 2 Hatch  
**Number of Web Plates, Shifting Beams and Fore and Afters** to each Hatch ✓  
**No. 3 Hatch** No. 4 Hatch  
**Bulwarks**, height above deck and description 3'-6" x 6'-5"  
**The foregoing is a correct description.**  
**Builder's Signature** (here enter) 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 in any correspondence connected with the case) (On) 20-1-12,  
(2.) 1-5-12.

**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. 26, par. 20)? Satisfactory State results of tests ✓  
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Satisfactory 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 letter of the above date and in general conformity to the Rules for the class contemplated.  
Accompanying this Report: Duplicate plans of Midship Section, Profile and Decks, Pumping Arrangements, and a Report on Ship's fittings.  
This is a Sister Vessel to the "Balfour". Hull Report No. 25162  
The Surveyor should state the Number of Report and Name of any Sister Vessel.  
The amount of Entry Fee ..... £ 2 : 0 : 0 Fees applied for, 1-7-1912  
Special Survey Fee.... £ 12 : 12 : 0 Received by me, 3-7-1912  
Travelling Expenses if any £ - : 13 : 1  
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  
Character assigned  
FRI. JUL 5-1912  
100A1  
Shm Trawler  
Sheds 4260  
+ Shm 6.12.  
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GENERAL REMARKS—(continued).

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WEB-FRA

WEB-FRA

BRACKET  
Web Fr

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Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter.

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**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ☒ ft., R.Q.D. 73-0 ft., Bridge ☒ ft., Forecastle 20-0 ft.  
(in feet and tenths). When the Poop 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 Plk.

Official No. 133359; Signal Letters ☒

How are the surfaces preserved from oxidation? Inside Portland Cement and Paint State if Machinery is fitted aft Yes 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, <input checked="" type="checkbox"/>			Fore peak tank, <input checked="" type="checkbox"/>		
Double bottom, under Engines and Boilers, <input checked="" type="checkbox"/>			After peak tank, <input checked="" type="checkbox"/>		
Double bottom, if under Engines only, <input checked="" type="checkbox"/>			Deep tank, aft, <input checked="" type="checkbox"/>		
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>			Deep tank, forward, <input checked="" type="checkbox"/>		
Double bottom, forward, <input checked="" type="checkbox"/>			Other tanks, if fitted, <input checked="" type="checkbox"/>		
Total capacity of double bottom <input checked="" type="checkbox"/>			(If necessary, furnish further information by sketch.) <input checked="" type="checkbox"/>		

\* 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. 1923

Date 25/1/12

No. 525 in builder's yard.

DAYS of Surveys  
held while building

1912:—Feb. 1. 2. 5. 9. 19. 26. Mar 7. 12. 19. 28. Apr 12. 17. May 7. 13. 17. 31 Jun 11  
Jun 15. 21. 24. 26.

Total No. of Visits 21

Surveyor's Signature

Allison B. Wilson