

With or Without  
Disconnected Erections.

STEEL STEAMER.

FRI. APR. 19. 1912

Received at London Office.

Date of completion of report  
Survey held at

8th April 1912

Port of *Dundee*

Date, First Survey 29th July 1911

Last Survey 19th April 1912

No. 7667

1912

On the *Steel Screw Steamer "LIBRA"*

Rig *Ketch*

TONNAGE under  
Tonnage Deck...  
Under Upper Dk...  
Under Lower Dk...  
Under Hatchways...  
Under Crown of...  
Under Room...  
Under Space...  
Under Crown of...  
Under Room...  
Under Space...

CLASS *100 A.1*  
STEAM TRAWLER.  
Breadth (greatest moulded)...  
Depth, at middle of length from top of keel to top of upper deck beams at side...  
Transverse Number...  
Length on deck from fore part of stem to after part of stern post...  
Longitudinal Number...  
Depth "d," at middle of length (See Secs. 2 & 13)...  
Proportions—Depths to Length—Upper Deck Beam at side to top of keel...  
Long Bridge Deck Beam at side to top of keel...

Master...  
Year of appointment...  
Built at *Dundee*  
When built 1912 Launched 30th Mar 1912  
By whom built *Dundee S.B. Co. Ltd.*  
Owners *Grimsby & North Sea Steam Trawling Co. Ltd.*  
Managers...  
Residence...  
Port belonging to *Grimsby*

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

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
117	0	Moulded	21	10 1/2	Top of Floors to top of Upper Dk. Beams	11	8	one
					Second Dk. Beams			one
Length	117.3	breadth	22.0	depth	11.65			

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
IE, Angles, or E or L Bars amidships	4	3	4	1	4	3
in peaks	4	3	4	1	4	3
in way of Double Bottoms at Solid Floors						
at intermdt. Bkts.	20		20			
g of Frames from centre to centre amidships						
from 1/2						
length to Collision bulkhead	20		20			
in peaks	3	3	25	3	25	
USED FRAME, Angles						
ING, depth of girder	16		6 5/16	16	6 5/16	
RS, depth and thickness of Floor Plate						
at mid-line for 1/2 length amidships	E 7/16 B 9/16		E 7/16 A 9/16			
in way of Engine and Boiler Spaces						
thickness at the ends of vessel						
depth at 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						
REG GIRDER, in Dbl. bottom, dpth. & thcknss.						
Angles, Top						
Bottom						
to Floors						
GIRDERS, number on each side & thickness						
state if flanged (top and bottom)						
Angles						
IN PLATE, depth (exclusive of flange)						
and thickness						
Angles to Outside Plating						
Floors						
Height of Brackets above at bilge						
BOTTOM PLATING, breadth and thickness of Middle Line Strake						
in Engine and Boiler space						
Remainder in Holds						
Upper Deck, Single Angle, Bulb	5	3	8 1/16	5	3	8 1/16
Angle, Plate, Tee Bulb, or Channel						
Angles on upper edge	40		40			
Spacing						
Second Deck, Single Angle, Bulb						
Angle, Plate, Tee, Bulb, or Channel						
Angles on upper edge						
Spacing						
Third or Fourth Deck, Single Angle,						
Bulb Angle, Plate, Tee Bulb, or Channel						
Angles on upper edge						
Spacing						
Fourth or Fifth Deck, Plate, Tee						
Bulb, or Channel						
Angles on upper edge						
Spacing						
Poop Deck, Angle, Bulb Angle, Plate						
Tee Bulb, or Channel						
Angles on upper edge						
Spacing						
Bridge Deck, Angle, Bulb Angle, Plate						
Tee Bulb, or Channel						
Angles on upper edge						
Spacing						
Fore Deck, Angle, Bulb Angle, Plate	3	2 1/2	3	3	2 1/2	3
Plate, Tee Bulb, or Channel						
Angles on upper edge	40		40			
Spacing						

FORGINGS or CASTINGS.	Inches in Ship.	Inches per Rule. Or as Approved.				
KEEL, Bar, depth and thickness .....	7½ x 1½	7½ x 1½				
STEM, moulding and thickness .....	7½ x 1½	7½ x 1½				
STERN-POST for Rudder do. do. ....	6½ x 2¾	6½ x 2¾				
"    for Propeller .....	6½ x 2¾	6½ x 2¾				
RUDDER—A x D* Table 22 .....						
"    Main-Piece, diameter at head .....	4½	4½				
"    "    "    at heel .....	3¾ x 3¾	2¾ x 2¾				
RUDDER, how constructed	Forged Frame, Plating 26					
Can the Rudder be unshipped afloat?	Yes.					
KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate )						
"    Rider Plate.....						
"    Flat Plate Keel Angles .....						
"    Horizontal Plates on Floors .....						
"    Angles or Bulb Angles DOUBBLE .....	7	3	¾	7	3	¾
SIDE KEELSONS, Number ONE .....						
"    Angles or Bulb Angles SINGLE .....	5	4	4	5	4	4
"    Plate above floors, for .....						
"    Intercoastal Plate, for .....						
"    Attached to outside Plating with Angle ...						
BILGE KEELSON, Angles .....						
"    Intercoastal Plate for .....						
"    Attached to outside Plating with Angle ...						
SIDE STRINGERS, Number ONE .....						
"    "    Angle SINGLE .....	5	4	4	5	4	4
"    Intercoastal Plate, for .....						
"    Attached to outside plating with Angle.....						
Upper Deck Stringer Plate, br'dth & thickness ) (clear of Bridge) }	24-20	3	24-20	3		
"    "						

\* 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.
	Vessel.	Per Rule.	Horizontal.	Vertical.	
			Size.	Size.	
			Inches.	Inches.	
W. T. BULKHEADS	3	3	26	4 1/2 x 3 1/2	30
COLLISION				4 1/2 x 3 1/2	24
PARTITION					
LONGITUDINAL					

Are the outside Plates doubled two spaces of Frames in length? *Yes*  
Are the Staircase Valves and Watertight Doors in efficient working order? *Yes*



Tonnage Deck...

Do. between Tonnage Dk.

On the

TONNAGE under }  
Tonnage Deck... }

197.08

Do. between Tonnage Dk. }  
and 3rd and 4th Dk. }

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

10.29

Do. of Bridge House

Do. of Forecastle

1.42

Do. of Houses on Dk (CHART) 2.66

Do. of excess of Hatchways

Do. above Crown of }  
Engine Room .. }

211.45

Gross Tonnage

20.95

Less Crew Space

Less above Crown of }  
Engine Room .. }

190.50

TONNAGE FOR FEES..

100.45

Less Engine Room

Less Navigation Spaces

7.87

Register Tonnage }  
as cut on Beam .. }

82.18

LENGTH on Deck

Feet.

Inches.

BREA



PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED		UPPER EDGES.				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.	Breadth.	Thickness.			
FLAT PLATE KEEL	38 1/2	5/16	5/16	5/16	38	5/16	Double	4 1/2	1	5	DR FULL	3/4	2 1/2		5" Full				
GARBOARD OR A STRAKE	50	5/16	5/16	5/16	50	5/16													
B	50	5/16	5/16	5/16	50	5/16													
C	50	5/16	5/16	5/16	50	5/16													
D	50	5/16	5/16	5/16	50	5/16													
E	50	5/16	5/16	5/16	50	5/16													
SHEER	42	5/16	5/16	5/16	33	5/16													
G																			
H																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
Q																			
R																			
S																			
DOUBLING OF FLAT PLATE KEEL																			
Sheerstrakes																			
Length and thickness.																			
POOP SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES																			

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, Plating, &c. *Platts - Beardmore & Co. Barrow-in-Furness Ltd & Co. and Steel Co. of Scotland.*

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

Upper Deck (Butts, *Double* riveted for *full* length amidship. Stringer Plate (Straps, single, double or overlapped for *full* length amidship. Second Deck (Butts, riveted for *full* length amidship. Stringer Plate (Straps, single or overlapped for *full* length amidship. Butts of Side Stringers *Double* riveted. Tie Plates *Double* riveted. Inner Bottom Plating, riveting of Edges. Butts *Double* riveted. Centre Girder Butts, riveted. Keelson Butts, *Double* riveted. Frames, riveted through Plates with *3/4* in. Rivets, about *5/4* apart. Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Rail* to *Deck* State if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *Side to side and to deck on alternate frames in way of fish room.* State if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.											
		Material.	Total Length.	DIAMETER AND THICKNESS.				ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Number.	Size.	Seams.
LOWER MASTS.....	Fore .....	Wood	45'-3"	14"							
	Main .....	"	30'-8"	12"							
	Mizen .....										
Bowspit											
Topmasts, Yards and Remainder of Spars		Wood.									
Rigging, Material and Size, Shrouds		S. 1/2 2 3/4" Main 2 1/2"									
		Stays Fore 3/4" Main 2 3/4" Double 9/16"									

Sails.		Suit of		Cauls		Sails, and the following spare sails		none						
EQUIPMENT No.		LETTER		ANCHORS.		TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS		401661						
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.	cwts.	qrs.	lbs.					
38351	1st Bower ...	5	0 3	1	7	7	7	2	0	5	0 0	Ordinary	Taylor, Stone	Lipson 9.11.11
38350	2nd " ...	4	2 7	1	0 21	6	17	2	0	4	2 0	5 <sup>0</sup>	Ch. Perrins Supl	Lipson 10.11.11
38343	3rd " ...	2	2 3	0	2 18	5	0	0	0	2	2 0	5 <sup>0</sup>	Ch. Perrins Supl	Ch. Perrins Supl
	4th " ...													
	Collector weight	12	0 13		3 0					13	0 0			
	Stream .....													
	Kedge.....													

CHAIN CABLES.												HAWERS 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 Towing.	Length and Size per Table 31.			
	Length.	Diam.	Statio-ry.	Break- ing.	Supplied.	Per Pyle.	Length.	Diam.					Length.	Clr.		Length.	Clr.	Length.	Clr.
39707	903	1	18	27	48-2-0	48-3-17	90	1	Steel	Taylor, Stone	Septem. 5. 11. 11	TOWLINE	60	5 1/2	11-11-11	60	5 1/2		
											W. E. Morris Super	HAWERS & WARPS	60	4	5	60	4		
Iron Stream Chain or Steel Wire		Clr.						Clr.				"	"	"	"	"	"		

Boats *One*

Pumps, Number *Three*

Windlass is *Handers Traders Co. Ltd Aberdeen*

Engine Room Skylights.—How constructed? *Strong Glass Bulbheads*

What arrangements for deadlights in bad weather? *Cast Iron*

Coal Bunker Openings.—How constructed? *Cast Iron*

How are lids secured? *Fuller Lids*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *5 Scuppers & 4 Freeing Ports 1-8-9*

Ceiling in Holds, thickness and material *2 1/2" P. Pine*

Cargo Hatchways.—How formed? *Platts and Angles*

Hatches, If strong and efficient? *Yes 2 1/2" Solid*

State size No. 1 Hatch (Forward) *6'-8" x 3'-4"* No. 2 Hatch *3'-4" x 3'-4"* No. 3 Hatch *3'-4" x 3'-4"* No. 4 Hatch *3'-4" x 3'-4"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *None*

No. of Breasthooks *Three*

No. of Crutches *Deep Floors*

Bulwarks, height above deck and description *3'-6" Steel plates 10 Slaps 6-3-3 1/2 Main Rail, material and size 6 1/2 x 3 1/2 x 8 angle.*

The above is a correct description.

Builder's Signature (here only) *Matthew Blackwood*

Surveyor's Signature *Matthew Blackwood*

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) *Secretary's Letters E. 6. 9. 11. M. 27. 6. 11. 29. 6. 11.*

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? *No*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *or overlapped? Yes*

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Not required.*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Fishing Vessel.*

General Remarks (State quality of workmanship, &c.) *This vessel has been built under special survey in accordance with the approved plans forwarded herewith. The Secretary's Letters referred to and in general conformity with the Rules for the Class contemplated. The materials and workmanship are sound and good.*

This Vessel has left this Port for *Liverpool* where the Machinery & Boilers are to be fitted on board. To complete the survey the following requires to be done. viz. *5th Deck* to be riveted to deck, and deck in way of same to be completed. Full particulars of tonnage to be obtained. The *Liverpool* Surveyors have been advised accordingly.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *65* ft., R.Q.D. *65* ft., Bridge *20* ft., Forecastle *20* ft. (in feet and tenths). When the Poop is joined to the R.D., this should be distinctly stated *Raised Quarter 5' 7" Castle 5' 9" high*

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) *10 1/2*

Official No. *10 1/2*; Signal Letters *Portland* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Portland cement & paint.* Outside *Paint.*

PARTICULARS OF WATER BALLAST.					
Where Fitted.		Length.	Water Capacity.	Where Fitted.	
Feet.		Feet.	Tons.	Feet.	
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 of double bottom				(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. *834*

Date *8th July 1911*

Builder's yard. *241*

DATES OF SURVEYS held while building

July 29	Aug. 16	21	30	Sep. 20	21	23	25	27	29	Oct. 3	19	24	27	31	Nov. 2	3	6	8	10
13	16	22	25	30	Dec. 4	7	13	16	21	26	29	Jan. 3	8	11	17	26	30		
Feb. 6	13	16	20	24	Mar. 4	5	8	11	13	14	17	22	27	28	29	April 1	2	3	8

Total No. of Visits *60*

The amount of Entry Fee *£ 1*

Special Survey Fee *£ 9*

Travelling Expense, if any *£ 11-5-19*

Fees applied for, *19*

Received by me, *11-5-19*

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

I am of opinion this Vessel should be Classed *11/100 1/2 for fishing purposes*

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

Signature *Matthew Blackwood*

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

Committee's Minute

Character assigned *Deferred*

TUE. MAY 21. 1912

TUE. JUL. 9-1912

10001

Stm trawler

Lloyd's 606.0

+ 206 5-12

1912

Lloyd's Register Foundation

Query fee