TUE 4-JUL 1916

(23)

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office .....

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

Date of completion of report 1-7-16 Port of Hull. No. 29407

Survey held at Beverley & Hull Date, First Survey Jun 4/15 Last Survey Jun. 21st 1916

On the (State if Single, ~~Twin or Triple~~ Screw) STEAM TRAWLER LOUIS BOTHA Rig Ketch

TONNAGE under Tonnage Deck	218.53
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	
Do. of Poop	
Do. of R.Q.Dk. BREAK	6.49
Do. of Bridge House	
Do. of Forecastle	
Do. of Houses on Dk.	1.00
Do. of excess of Hatchways	
Do. above Crown of Engine Room	
Gross Tonnage	226.02
Less Crew Space	
Less above Crown of Engine Room	
FOR FEES	226.02
Engine Room	112.33
Deduction Spaces	4.88
Net Tonnage on Beam	108.81

CLASS 100 A1.

	FEET.
Breadth (*greatest moulded*)	21.83
Depth, *at middle of length from top of keel to top of upper deck beams at side*	13.58
Transverse Number	35.41
Length *on deck from fore part of stem to after part of stern post*	117.0
Longitudinal Number	4143
Depth "d," *at middle of length (See Secs. 2 & 13)*	12.25
Proportions—*Depths to Length*—*Upper Deck Beam at side to top of keel*	8.6
" " *Long Bridge Deck Beam at side to top of keel*	✓

Master .....

Year of appointment (1) *As Master in service of owner of present vessel:*—191 (2) *As Master of this vessel* 191

Built at Beverley

When built 1916 Launched Feb 5th/1916.

By whom built Cook Welton & Gemmell

Owners Alec. L. Black

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 Rule	Feet.	Inches.	BREADTH— Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams / Do. do. do. do. Second Dk. Beams	Feet.	Inches.	
	117	0		21	10		12	9	No. of Decks with flat laid one / No. of Tiers of Beams one

Moulded depth, ft. ..... ins. ..... To Bridge Dk. Round of Upper Dk. Beam, Actual 6 ins.

Moulded depth, ft. 13 ins. 7 To Upper Dk.

Dimensions of Ship per Register, Length 117 breadth 22.05 depth 12.7.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
E, Angles, ~~or E or L Bars~~ amidships	4	3	8/20	4	3	8/20
n peaks	4	3	8/20	4	3	8/20
n way of Double Bottoms at Solid Floors		✓				
" " at intermdt. Bkts.		✓				
of Frames from centre to centre amidships	✓	20			20	
" " " from ⅜ length to Collision bulkhead						
" " " in peaks	✓					
RSED FRAME, Angles ON FLOORS	3	3	3/8	3	3	3/8
n way of Double Bottoms at Solid Floors	WHERE NO CONCRETE					
" " at intermdt. Bkts.	DOLE IN E+B. SPACE					
ING, depth of girder 4"	✓					
RS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships	16	×	6/16	16	×	6/16
in way of Engine and Boiler Spaces	✓		7/16			7/16
thickness at the ends of vessel	✓		6/16			6/16
depth at ¾ the half breadth, as per Rule	TOP OF FLOORS					
height extended at the Bilges	HORIZONTAL					
RS in Cell. Double Bottoms						
state if flanged (top & bottom)						
Spacing of Solid floors						
RE GIRDER, in Dbl. bottom, dpth. & thicknss.						
" Angles, Top						
" " Bottom						
" " to Floors						
Brackets at intermdt. frmg., wdth & thknss						
GIRDERS, number on each side & thickness						
" state if flanged (top and bottom)						
" Angles (top and bottom)						
" " to Floors						
IN PLATE, depth (exclusive of flange) and thickness						
" Angle to Outside Plating						
" " Floors						
Brackets at intermdt. frmg., wdth & thknss						
Height of Outside Brackets above at bilge						
BOTTOM PLATING, breadth and thickness of **Middle Line Strake**						
" " in Engine and Boiler space						
" " Remainder in Holds	✓					
S, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5	3	10/16	5	3	10/16
In way of Long Bridge	✓	✓			✓	
Spacing		40			40	
S, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" 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, Bridge 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						
" Angles on upper edge						
" Spacing						

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS, In 'tween Deck, size and spacing				
" " **Hold** " "	3"	as arranged		
" **Quarter 'tween Dks.,** " "				
" " **in Hold** " "				

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, ~~Through Plate, or~~ Intercostal Plate	6½	×	6/16	6½	×	6/16
" ~~Rider Plate~~	✓		5/16			5/16
" Flat Plate Keel Angles		✓				
" Horizontal Plates on Floors	✓	✓				
" Angles ~~or Bulb Angles~~ DOUBLE	4	4	½	4	4	½
SIDE KEELSONS, Number		✓				
" Angles or Bulb Angles		✓				
" Plate above floors, for ..... length		✓				
" Intercostal Plate, for ..... length		✓				
" Attached to outside Plating with Angle	✓	✓	8/20			8/20
BILGE KEELSON, Angles ONE	5	4		5	4	
" Intercostal Plate for ..... length		✓				
" Attached to outside Plating with Angle		✓				
SIDE STRINGERS, Number ONE	✓	✓	8/20			8/20
" " Angle	5	4		5	4	
" Intercostal Plate, for ..... length		✓				
" Attached to outside plating with Angle		✓				
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	24		6/16	24		6/16
" " " " br'dth & thickness (in way of Bridge)	✓	✓				
" " " Angle (~~clear of Bridge~~)	3 × 3		3/8	3 × 3		3/8
" " Tie Plate at sides of Hatchways	✓	8	3/8	8		3/8
" Deck.* ~~Iron or~~ Steel ~~for~~ WAY ..... ng.	E+B	OPENINGS				5/16
" " Thickness (clear of Bridge)		✓				
" " " (in way of Bridge)		✓				
" Wood Deck. Material & thickness	PITCH	PINE	5 × 3	5 × 3		PP.
Second Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck.* Iron or Steel, for ..... ng.						
" 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						6/20
Bridge Deck Stringer Plate, br'dth & thickness						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						
Forecastle Deck Stringer Plate, b'dth & th'kns	WHALEBACK					
" Angle ~~on ditto~~ Stiffeners	3½ × 3 ×		3/8	3½ × 3 ×		3/8
" Tie Plates	SEE PROFILE					
" Deck. Material and thickness						

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

Form No. 1A.—1m,9,15. T.

W250-0121(1/2)

Lloyd's Register Foundation

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
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 Face Angles to **Web-Frames**				
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness BULB	7½ × 1 5/8	7½ × 1 5/8
STEM, moulding and thickness BULB	7½ × 1 5/8	7½ × 1 5/8
STERN-POST for Rudder do. do.	7½ × 2 3/8	7½ × 2 3/8
,, for Propeller	7½ × 2 3/8	7½ × 2 3/8
RUDDER—A×D* Table 22. Speed 10/12 KNOTS		46 · 3
,, **Main-Piece,** diameter at head	4½	4½
,, ,, ,, at heel	3 × 2 3/4	3 × 2 3/4

RUDDER, how constructed Forged Scrap Iron

,, Thickness of Plates ~~or Single Plate~~ 1.26

Can the Rudder be unshipped afloat? Yes

BULKHEADS. STIFFENERS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck.
W.T. BULKHEADS	4		5/16	DBLE VERT 3½ × 2½ × .36				24 SINGLE D'S	
	No 4	3							
		2							
,, **COLLISION** ,,		1							
PARTITION ,,									
LONGITUDINAL ,,									

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

Are the Sluice Valves and Watertight Doors in efficient working order? ✓

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.? Edmund Martin Open hearth. Consett Iron Co. South Durham Steel & Iron Co.

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

PLATING. RIVETING.

STRAKES.		As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches.	Per Rule or as Approved. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.	Edges, Ordinary or joggled? Single or Double.	Breadth of Lap. Inches.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Butts. Double or Treble and for what Length.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Straps. Breadth. Inches.	Straps. Thickness. Inches.	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
										1	5					16THS		
FLAT PLATE KEEL (If Bar Keel, state Riveting.)			16TH	16TH	16TH		16TH											
GARBOARD OR A Strake		32	8	8	8	32	8	DOUBLE	4½	3/4	3 1/3	DOUBLE	3/4	2 5/8	9 3/4	9		
State actual thickness in way of Double Bottom.	B		6	6	6		6									7		
	C		6	6	6		6									7		
	D		8	6	6		8									9		
	E		8	6	6		8									9		
	F		8	6	6		8									9		
SHEER	G	42	9	7	7	42	9									10		
	H																	
	J																	
	K																	
	L																	
	M																	
	N																	
	O																	
	P																	
	Q																	
	R																	
	S																	
	T																	
	U																	
	V																	
	W																	
TH'KNESS OF SH'ESTRKE CLEAR OF LONG BRIDGE																		
DO. OF STRAKE BELOW																		
DBLG. of Flat Plate Keel																		
,, Sheerstrakes (Length and thickness.)																		
POOP SIDES																		
SHORT BRIDGE SIDES																		
FORECASTLE SIDES																		

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

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate — **Butts,** Dble riveted for full length amidship. **Straps,** ~~single, double or~~ overlapped for full length amidship.

Second Deck Stringer Plate — **Butts,** riveted for ✓ length amidship. **Straps,** single or overlapped for ✓ length amidship.

Butts of Side Stringers Treble riveted.

,, **Tie Plates** Double riveted.

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

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

Frames, riveted through Plates with 3/4 in. Rivets, about 5 1/4 apart.

Rivets, state whether 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 bilge to bilge where no concrete State if ordinary or joggled Ordinary

MASTS, SPARS, &c.

	Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
LOWER MASTS. Fore											
Main	P. Pine pole										
Mizen	Steel pole										
Bowsprit											

Topmasts, ~~Yards~~ and Remainder of **Spars** P. Pine

Rigging, Material and Size, **Shrouds** Galv wire **Stays** Galv wire

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

Form No. 1A.

TUE. 4—JUL. 1916

EQUIPMENT No. LETTER . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS 4143.

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 31. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
19770	1st Bower	7	0	22	STOCKLESS			9	9	1	14	6	2	0	Lloyds Forged	Jones & Lloyds	LPH. CH 29/6/1915
19769	2nd ,,	7	0	20	-	-	-	9	7	0	21	6	0	0	Wrought Iron	Lloyds	- - -
19771	3rd ,,	2	2	0	-	3	0	5	0	0	0	2	2	0	Rodgers	-	L. C. Paul.
	4th ,,																
	Collective weight.	16	3	14								15	0	0			
	Stream																
	Kedge																

If Patent state Name and Date. *If Stockless, state Mechanical Tests.*

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

2nd ,,

3rd ,,

4th ,,

CHAIN CABLES. HAWSERS AND WARPS.

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 Rule. Cwts. qrs. lbs.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
17800	90	1	18	27	47.3.12	45.3.17	90	1	STUD LINK	Jones & Lloyds Co	LPH. CH 30/6/1916
Iron Stream Chain or Steel Wire		Cir.						Cir.			

Material	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Cir. Ins.
TOWLINE					
HAWSERS & WARPS	60	6		60	6
,, ,,	60	4½		60	4½
,, ,,					

Boats One (Good) **Steering Gear, Steam** - **Steering Gear, Hand** Gemmell & Brows.

Pumps, Number Three Diameter of Barrel 2@6" & 1@8" State whether they are in efficient working order Yes

Windlass is Gemmell & Brows. **Capstan** -

Engine Room Skylights.—How constructed? Steel What arrangements for deadlights in bad weather? Steel flaps & Bullseyes

Coal Bunker Openings.—How constructed? C. I. Pipes How are lids secured? Locked Height above deck? Flush

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 7 scuppers & 5 ports 18 × 9 each side

Ceiling in Holds, thickness and material 2" P. pine **Cargo Battens,** thickness and material ✓

Cargo Hatchways.—How formed? Plates & angles **Hatches,** If strong and efficient? Yes

State size **No. 1 Hatch** (Forward) ✓ **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓

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

No. of Breasthooks 3 **No. of Crutches** 2 × deep floors

Bulwarks, height above deck and description 42 × 3/8 Main Rail, material and size 6½ × 3 × 7/16 BA.

The foregoing is a correct description. COOK, WELTON & GEMMELL, LTD. *Surveyor's Signature* F. C. Smith

Builder's Signature (here only) W. H. Patterson DIRECTOR *Surveyor to Lloyd's Register of Shipping.*

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*)

M 22/12/14

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)? Trawler State results of tests ✓

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Trawler State results of tests ✓

General Remarks (State quality of workmanship, &c.)

This vessel has been constructed in accordance with the approved plans, the Secretary's letter original conformity with the Society's rules

Kindly return plans for dealing with sister vessels.

This vessel is a sister ship to the S/S Ruvera, S/S Novelli & S/S Salvina Hull reports Nos 29313, 29349. & 29371.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee ..... £ 2 : 0 : 0 — Fees applied for, 3-7-1916

Special Survey Fee.... £ 11 : 6 : 0 — Received by me. 11-8-1916

Travelling Expenses, if any £ ✓ : 2 : 4

Certificate to be sent to Hull *Date of issue* 12/8/16

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100 A1 Steam trawler F. C. Smith

With, or without Freeboard, as condition of Class Without. *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute FRI. 7—JUL. 1916

Character assigned 100 A1 Stm trawler + LMBC

Lloyds A & P.

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

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W250-012(2/7)

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 60.6 ft., Bridge ✓ ft., Forecastle WHALEBACK 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 Dk

Official No. 138961. ; Signal Letters ; State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Paint & cement 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 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. 2124

Date 24/5/15

No. 338 in builder's yard.

Dates of Surveys held while building: 1915:- Jun 4. 8. 21. Jul 2. 8. 13. 23. Aug 24 Sep 7. 9. 24. Oct 15. Nov 3. 16 Dec 1. 16. 23
1916:- Jan 6. 18. 26 Feb 3. 7. 17. 24 Mar 9. 29 Apr 17. May 4. 16. 30. Jun 5. 15. 21

Total No. of Visits 33

Surveyor's Signature J. C. Smith

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