With ~~or Without~~

Disconnected Erections.

STEEL STEAMER.

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

Received at London Office FRI. MAR. 1 - 1912

Date of completion of report 27th February 1912. Port of Hull No. 24710

Survey held at Selby. Date, First Survey Oct. 9th Last Survey Feb. 23rd 1912

On the Steam Trawler "BRAGI." Rig Ketch

RETAIN

TONNAGE under Tonnage Deck	277.49
Do. between Tonnage Dk. and 3rd and 4th Dk.	✓
Total under Upper Dk.	✓
Do. of Poop	✓
Do. of R.Q.Dk.	16.51
Do. of Bridge House	✓
Do. of Forecastle	1.26
Do. of Houses on Dk.	7.64
Do. of excess of Hatchways	
Do. above Crown of Engine Room	12.94
Gross Tonnage	315.84
Less Crew Space	9.43
Less above Crown of Engine Room	12.94
Tonnage for Fees	293.47
Less Engine Room	154.23
Less Navigation Spaces	
+ Above Crown of Engine Room	12.94
Register Tonnage as cut on Beam	152.18

CLASS 100 A1, "Steam Trawler."

	Feet.
Breadth (greatest moulded)	23.31
Depth, at middle of length from top of keel to top of upper deck beams at side	13.25
Transverse Number	36.61
Length on deck from fore part of stem to after part of stern post	135.00
Longitudinal Number	4942
Depth "d," at middle of length (See Secs. 2 & 13)	11.92
Proportions—Depths to Length—Upper Deck Beam at side to top of keel	10.19
" " Long Bridge Deck Beam at side to top of keel	✓

Master J. Johansen.

Year of appointment (1) As Master in service of owner of present vessel:—191 (2) As Master of this vessel 1912

Built at Selby.

When built 1912 Launched 21st Dec. 1911.

By whom built Cochran & Sons.

Owners Petur J. Thorsteinsson & Co.

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

Residence Reykjavik, Iceland.

Port belonging to Reykjavik.

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

LENGTH on Deck as per Rule	Feet. 135	Inches. 0	BREADTH— Moulded	Feet. 23	Inches. 4 3/8	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	Feet. 12	Inches. 7	No. of Decks with flat laid One; No. of Tiers of Beams One

Dimensions of Ship per Register, Length 135.0 breadth 23.5 depth 12.55. Moulded depth, ft. ✓ ins. To Bridge Dk. Moulded depth, ft. 13 ins. 3 To Upper Dk. Round of Upper Dk. Beam, Actual 7 ins.

FRAMING.

	Inches in Ship.	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved	Inches per Rule Approved.
FRAME, Angles, ~~or E or L 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	"		"			
" " " " from ⅜ length to Collision bulkhead	10½	+2	See plan			
" " " " in peaks						
REVERSED FRAME, Angles	2½	2½	5/20	2½	2½	5/20
Do. in way of Double Bottoms at Solid Floors		✓				
" " at intermdt. Bkts.		✓				
FRAMING, depth of girder		4			4	
FLOORS, depth and thickness of Floor Plate at mid-line for ¾ 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			5/16			5/16
" depth at ¾ the half breadth, as per Rule	Straight across					
" height extended at the Bilges		See plan				
FLOORS & BRACKETS in Cell Dble Bottoms		✓				
" " state if flanged (top & bottom)		✓				
" " Spacing		✓				
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.		✓				
" " Angles, Top		✓				
" " " Bottom		✓				
" " " to Floors		✓				
SIDE 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	8/16	5	3	8/16
" Angles on upper edge		✓				
" In way of Long Bridge		✓				
" Spacing		42			42	
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, 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	4	3	6/20	4	3	6/20
" Angles on upper edge						
" Spacing		33			33	

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" 2¾	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~~	7½		7/16	7½		7/16
" Rider Plate		✓				
" Flat Plate Keel Angles		✓				
" Horizontal Plates on Floors		✓				
" Angles ~~or Bulb Angles~~	5	3	7/16	5	3	7/16
SIDE KEELSONS, Number		✓				
" Angles or Bulb Angles		✓				
" Plate above floors, for length		✓				
" Intercostal Plate, for length		✓				
" Attached to outside Plating with Angle		✓				
BILGE KEELSON, Angles (One)	5	4	·44	5	4	·44
" Intercostal Plate for length		✓				
" Attached to outside Plating with Angle		✓				
SIDE STRINGERS, Number		One			One	
" " Angle	5	4	·44	5	4	·44
" Intercostal Plate, for length		✓				
" Attached to outside plating with Angle		✓				
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	5.0		5/16	5.0		5/16
" " " " br'dth & thickness (in way of Bridge)	✓					
" " " Angle (clear of Bridge)	3 × 3		7/20	3 × 3		7/20
" " Tie Plate at sides of Hatchways	6		6/16	6		6/16
" Deck.* ~~Iron or~~ Steel, for Machinery Upper and Bunkers ng.	7/20		5/16	7/20		5/16
" " Thickness (clear of Bridge)	✓					
" " " (in way of Bridge)	✓					
" Wood Deck. Material & thcknss P. Pine	3			3		
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	✓					
Bridge Deck Stringer Plate, br'dth & thickness	✓					
" Angle on ditto	✓					
" Tie Plates	✓					
" Deck. Material and thickness	✓					
Forecastle Deck Stringer Plate, b'dth & th'kns			5/16			5/16
" Angle on ditto	✓					
" Tie Plates	✓						
" Deck. Material and thickness Steel			5/20			5/20

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

Form No. 1A.—1m,3,11.T.

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, (Bulb) depth and thickness	7½ x 1⅝	7½ x 1⅝
STEM, moulding and thickness	7½ x 1⅝	7½ x 1⅝
STERN-POST for Rudder do. do. / " for Propeller	6 x 3¼	6 x 3¼
RUDDER—A×D* Table 22. Speed (Oars) 10 knots	63-8	63-8
" **Main-Piece,** diameter at head	4½	4½
" " " at heel	3½ x 3	3½ x 3

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness.	Stiffeners. Horizontal. Size.	Horizontal. Spacing.	Vertical. Size.	Vertical. Spacing.	Single or Double Frames.	Height up.
			Inches.	Inches.	Inches.	Inches.	Inches.		
W.T. BULKHEADS	4	4	·28-26	3 x	2½ x	6/16	45/30	Single	Dk
COLLISION "			·28-26	3 x	2½ x	6/16	42/24	Single	Dk
PARTITION "	✓								
LONGITUDINAL "	✓								

RUDDER, how constructed Jointed Frame

" Thickness of Plates ~~or Single Plate~~ ·26.

Can the Rudder be unshipped afloat? Yes.

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? Yes.

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.? Mild steel. South Durham. Consett. Palmers. Cargo Float

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

PLATING.

STRAKES.	As in Ship. Amidship. Breadth.	Amidship. Thickness.	Forward. Thickness.	Aft. Thickness.	Per Rule or as Approved. Amidship. Breadth.	Amidship. Thickness.
	Inches.	Inches. 16ths	Inches. 16ths	Inches. 16ths	Inches.	Inches. 16ths
Flat Plate Keel (If Bar Keel, state Riveting.) Bar Keel						
Garboard or A Strake	32	8	6	6	32	6
B "		6	6	6		6
C "		6	6	6		6
D "		6	6	6		6
E "		7	6	6		7
F "		6	6	6		6
Sheer G "	36	8	6	6	36	8
H "						
J "						
K "						
L "						
M "						
N "						
O "						
P "						
Q "						
R "						
S "						
T "						
U "						
V "						
W "						
Th'knesses of Sh'rstrke clear of Long Bridge	✓					
Do. of Strake below	✓					
Dblg. of Flat Plate Keel	✓					
" Sheerstrakes (Length and thickness.)	✓					
Poop Sides	✓					
Short Bridge Sides	✓					
Forecastle Sides			6/20		6/20	

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.

RIVETING.

Lower Edges, Ordinary or Joggled? Ordinary

Edges. Single or Double.	Edges. Breadth of Lap.	Edges. Rivets. Diam.	Edges. Rivets. Spacing cr. to cr.	Butts. Double or Treble and for what Length.	Butts. Rivets. Diam.	Butts. Rivets. Spacing cr. to cr.	Butts. Straps. Breadth.	Butts. Straps. Thickness.	If Lapped. Breadth.	If Lapped. For what Length.
	Inches.	Inches.	Inches.		Inches. 1	Inches. 5	Inches.	Inches. 16ths	Inches.	Feet.
Double	4½	3/4	3	Full L	3/4	2 5/8	9 3/4	9	5	Full
"	"	"	"	" " "	"	"			"	"
"	"	"	"	" " "	"	"			"	"
"	"	"	"	" " "	"	"			"	"
"	"	"	"	" " "	"	"			"	"
"	"	"	"	" " "	"	"	9 3/4	9		

Upper Deck Stringer Plate — Butts, Double 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 Double riveted.

" **Tie Plates** Double riveted.

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

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

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

Rivets, state whether Iron or Steel Iron.

FRAMES extend in one length from Keel to Deck State if ordinary or joggled Ordinary.

REVERSED FRAMES on floors and frames extend ~~from~~ across top of floors. (Single angle frames.) 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	P. Pine	46-6	14								
Main											
Mizen	P. Pine	32-6	11								

Bowsprit ✓

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

Rigging, Material and Size, **Shrouds** Galv'd wire. 2 3/4". 2 1/4". **Stays** Galv'd wire. 4". 2 1/4. Double.

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

Form No. 1A.

EQUIPMENT No. ✓ LETTER ✓ . ANCHORS. ~~TONNAGE U. DK. OR~~ PLATING No. FOR TRAWLERS 4942 ✓

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.
38553	1st Bower	7	2	0	Stockless			9	13	3	0	7	2	0	Trotter Britannia	Not stated	L.P.H.T. 21-12-11, Perrins
38552	2nd "	7	0	7		"		9	5	0	0	7	0	0	" "	" "	" 21-12-11, "
38665	3rd "	3	0	7		3	7	5	10	0	0	3	0	0	Ordinary	" "	" 20-1-12, "
	4th "																
	Collective weight																
	Stream	✓															
	Kedge	✓															

If Patent state Name of Patentee. *If Stockless, state Mechanical Tests.*

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 Rule. Cwts. qrs. lbs.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
39784	120 2/3	1 1/8	22 3/4	34 1/8	75-2-20	77-2-21	120	1 1/8	Stud	Not stated	L.P.H.T. 13-2-12
39719B	30 2/3	1 1/8	"	"	20-3-0	19-1-19			Link		C.E. Perrins, Surp
Iron Stream Chain or Steel Wire	✓	Cir.						Cir.	"	" "	L.P.H.N. 10-2-12
											H. Grum. Surp.

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Diam. Cir.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Diam. Cir.
Towline Steel Wire, each	350	2 3/4	15½		
Hawsers & Warps Manilla	60	6		60	6
	60	5		60	5
Steel	200	2 3/4	15½		

Boats One **Steering Gear, Steam** ✓ **Steering Gear, Hand** Cochrane's

Pumps, Number Four Diameter of Barrel 6" x 4" State whether they are in efficient working order Yes

Windlass is by Emerson, Walker & Thompson Bros **Capstan** ✓

Engine Room Skylights.—How constructed? Of Teak What arrangements for deadlights in bad weather? Teak flaps & bullseyes.

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

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** On each side, 5 Scuppers. (1) Port 24 x 11, and (3) 18" x 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. 3".

State size **No. 1 Hatch** (Forward) 2'-3" x 3'-6" **No. 2 Hatch** 2'-3" x 3'-6" **No. 3 Hatch** 3'-6" x 3'-6" **No. 4 Hatch** (No 5) 3'-6" x 3'-6"

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

No. of Breasthooks Four **No. of Crutches** 14 dup floors.

Bulwarks, height above deck and description 3'-6" x 7-6/20". Main Rail, material and size 6½" x 3" x 5/20 Steel B.A.

The foregoing 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.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) (M) 28-9-11. 5-10-11. (E.) 2-12-11.

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 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.) Workmanship good.

This vessel has been built in accordance with the approved plans, the Secretary's letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this Report:- Duplicate plans of Midship Section, Profile and Decks, and Report on Ships Forgings.

This is a sister vessel to the "Baldur". Hull Report No.

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, 27. 2. 1912

Special Survey Fee .... £ 14 : 13 : 0 — Received by me, 29. 2. 1912

Travelling Expenses, if any £ — : 11 : 8

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.

Certificate to be sent to Hull **Date of issue** 3/3/12

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 TUE. MAR. 5 - 1912

Character assigned 100 A1

Steam Trawler

Lloyd, A.G.D. + L.M. 6.2.12.

W1369.0090 2/2

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 42·5 ft., Bridge ✓ ft., Forecastle 21-0 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 should appear in the Register Book*) 1 Dk.

Official No. ✓ ; 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,		8-9	25
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 Yes.

Order for Special Survey No. 1904

Date 13-10-11

No. 516 in builder's yard.

Dates of Surveys held while building: 1910:- Oct 9. 17. 20. 27. Nov 3. 7. 16. 23. 28. Dec 8. 15. 20. 28. 1912:- Jan 2. 5. Jan 19. Feb 1. 2. 5. 10. 20. 21. 23.

Total No. of Visits 24

Surveyor's Signature Allison B. Wilson.