

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office: 2 AUG. 12. 1914

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

Date of completion of report *5-8-14* Port of *Hull*
Survey held at *Goole* Date, First Survey *Dec 16/13* Last Survey *July 31st 1914*
On the (State if Single, Twin, or Triple Screw) *STEAM TRAWLER "PERIHELION"* Rig *Ketch*

TONNAGE under *199.53*
Tonnage Deck...
Do. between Tonnage Dk. }
and 3rd and 4th Dk. }
Total under Upper Dk.
Do. of Poop *10.45*
Do. of R.Q. Dk. *1.46*
Do. of Bridge House *1.46*
Do. of Forecastle *1.46*
Do. of Houses on Dk. *3.74*
Do. of excess of Hatchways
Do. above Crown of
Engine Room }
Gross Tonnage *215.18*
Less Crew Space
Less above Crown of
Engine Room }
TONNAGE FOR FEES *215.18*
Less Engine Room *108.73*
Less Navigation Spaces *8.47*

CLASS *+100A1*
Breadth (greatest moulded) *21.83*
Depth, at middle of length from top of keel to top of upper deck beams at side *12.50*
Transverse Number *34.33*
Length on deck from fore part of stem to after part of stern post *120*
Longitudinal Number *4120*
Depth "d," at middle of length (See Secs. 2 & 13) *11.17*
Proportions—Depths to Length—Upper Deck Beam at side to top of keel *9.6*
" " 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 *Goole*
When built *1914* **Launched** *12 May 1914*
By whom built *Goole S.S. & R.C. Ltd.*
Owners *Grimsby North Sea Steam Trawling Co. Ltd.*
Managers
(Where necessary to be entered in Reg. Book.)
Residence
Port belonging to *Grimsby*

Register Tonnage *97.98* **Destined Voyage** *Fishing* **Surveyed while Building, Afloat, or in Dry Dock**

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>120</i>	<i>0</i>		<i>21</i>	<i>10</i>		<i>11</i>	<i>8</i>		<i>one</i>	<i>one</i>
Moulded depth, ft. <i>12</i> ins. <i>6</i> To Bridge Dk. Round of Upper Dk. Beam, Actual <i>6</i> ins.										
Dimensions of Ship per Register, Length <i>120.4</i> breadth <i>22.05</i> depth <i>11.65</i>										
FRAMING.			Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS.	
FRAME, Angles, or E or L Bars amidships			<i>4</i>	<i>3</i>	<i>8/20</i>	<i>4</i>	<i>3</i>	<i>8/20</i>	PILLARS, In 'tween Deck, size and spacing	
Do. in peaks			<i>4</i>	<i>3</i>	<i>8/20</i>	<i>4</i>	<i>3</i>	<i>8/20</i>	" " Hold	
Do. in way of Double Bottoms at Solid Floors									" " Quarter 'tween Dks.,	
" " at intermdt. Bkts.									" " in Hold	
Spacing of Frames from centre to centre amidships			<i>20</i>			<i>20</i>			KEELSONS & STRINGERS.	
" " length to Collision bulkhead									CENTRE LINE KEELSON, Vertical Plate above	
" " in peaks									floors, Through Plate, or Intercoastal Plate	
REVERSED FRAME, Angles			<i>3</i>	<i>3</i>	<i>8/20</i>	<i>3</i>	<i>3</i>	<i>8/20</i>	" Rider Plate	
Do. in way of Double Bottoms at Solid Floors									" Flat Plate Keel Angles	
" " at intermdt. Bkts.									" Horizontal Plates on Floors	
FRAMING, depth of girder									" Angles or Bulb Angles	
FLOORS, depth and thickness of Floor Plate			<i>16</i>	<i>3/8</i>		<i>16</i>	<i>3/8</i>		SIDE KEELSONS, Number	
" at mid-line for 1/2 length amidships			<i>7/16</i>	<i>9/16</i>		<i>7/16</i>	<i>9/16</i>		" Angles or Bulb Angles	
" in way of Engine and Boiler Spaces									" Plate above floors, for length	
" thickness at the ends of vessel									" Intercoastal Plate, for length	
" depth at 1/2 the half breadth, as per Rule									" Attached to outside Plating with Angle	
" height extended at the Bilges									BILGE KEELSON, Angles	
FLOORS in Cell, Double Bottoms									" Intercoastal Plate for length	
" state if flanged (top & bottom)									" Attached to outside Plating with Angle	
" Spacing of Solid floors									SIDE STRINGERS, Number	
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.									" Angle	
" Angles, Top									" Intercoastal Plate, for length	
" " Bottom									" Attached to outside plating with Angle	
" " to Floors									Upper Deck Stringer Plate, br'dth & thickness	
" Brackets at intermdt. frmg., wdth & thcknss									(clear of Bridge)	
SIDE GIRDERS, number on each side & thickness									" " " " br'dth & thickness	
" state if flanged (top and bottom)									(in way of Bridge)	
" Angles (top and bottom)									" " Angle (clear of Bridge)	
" to Floors									" Tie Plate at sides of Hatchways	
MARGIN PLATE, depth (exclusive of flange)									" Deck * Iron or Steel, for	
" and thickness									Thickness (clear of Bridge)	
" Angle to Outside Plating									(in way of Bridge)	
" Floors									Wood Deck, Material & thickness	
" Brackets at intermdt. frmg., wdth & thcknss									Second Deck Stringer Plate, br'dth & thickness	
" Height of Outside Brackets above at bilge									Angles on ditto, No.	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake									Tie Plates outside Hatchways	
" in Engine and Boiler space									Deck * Iron or Steel, for lng.	
" Remainder in Holds									Wood Deck, Material & thickness	
BEAMS, Upper Deck, Single Angle, Bulb			<i>5</i>	<i>3</i>	<i>8/16</i>	<i>5</i>	<i>3</i>	<i>8/16</i>	Third Deck Stringer Plate, br'dth & thickness	
" Angle, Plate, Tee Bulb, or Channel									Angles on ditto, No.	
" In way of Long Bridge									Tie Plates, outside Hatchways	
" Spacing									Deck * Material and thickness	
BEAMS, Second Deck, Single Angle, Bulb									Fourth and Fifth Deck Stringer Plate, breadth & thickness	
" Angle, Plate, Tee Bulb, or Channel									Angles on ditto, No.	
" Spacing									" Tie Plates outside Hatchways	
BEAMS, Third and Fourth Deck, Single Angle, Bulb									" Deck, Material & thickness	
" Angle, Plate, Tee Bulb, or Channel									Poop Deck Stringer Plate, breadth & thickness	
" Angles on upper edge									Angle on ditto	
" Spacing									Tie Plates	
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel									Deck, Material and thickness	
" Angles on upper edge									Bridge Deck Stringer Plate, br'dth & thickness	
" Spacing									Angle on ditto	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel									Tie Plates	
" Angles on upper edge									Deck, Material and thickness	
" Spacing									Forecastle Deck Stringer Plate, br'dth & th'kns	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel									Angle on ditto	
" Angles on upper edge									Tie Plates	
" Spacing									Deck, Material and thickness	

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

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WEB FRAMES.				FORGINGS or CASTINGS.			
				Inches in Ship.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness			
" " " brdth. & thickness				STEM, moulding and thickness			
" " " No. of Side Stringers				STERN-POST for Rudder do. do.			
WEB-FRAMES, In E. & B. Space, No. & spacing				" " for Propeller			
" " " brdth. & thickness				RUDDER-A x D Table 22. Speed 10 knots			
WEB-FRAMES, In After Body, No. and spacing				" Main-Piece, diameter at head			
" " " brdth. & thickness				" " at heel			
" " " No. of Side Stringers				RUDDER, how constructed			
" " " Size of Face Angles to Web-Frames				" Thickness of Plates or Single Plate			
BRACKET PLATES to Stringers between				Can the Rudder be unshipped afloat?			
Web Frames, depth and thickness				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.?			
BULKHEADS.				Has the Steel been tested as required by the Rules?			
Number, Thickness, STIFFENERS.							
Vessel, Per Rule, Horizontal, Vertical, Size, Spacing, Size, Spacing, Single or Double Frames, Height up, starboard, deck							
W.T. BULKHEADS							
" COLLISION "							
PARTITION "							
LONGITUDINAL "							
Are the outside Plates doubled two spaces of Frames in length?							
Are the Sluice Valves and Watertight Doors in efficient working order?							
PLATING.				RIVETING.			
AS IN SHIP.				EDGES.			
AMIDSHIP, FORWARD, AFT.				Ordinary or joggled?			
Breadth, Thickness, Breadth, Thickness, Breadth, Thickness				Single or Double, Breadth of Lap, Rivets, Double or Triple and for what Length, Rivets, Straps, IF LAPPED.			
FLAT PLATE KEEL				Butts.			
GABBOARD OF A Strake				Double or Triple and for what Length			
State actual thickness in way of Double Bottom.				Rivets, Straps, IF LAPPED.			
B "				Butts.			
C "				Double or Triple and for what Length			
D "				Rivets, Straps, IF LAPPED.			
E "				Butts.			
F "				Double or Triple and for what Length			
G "				Rivets, Straps, IF LAPPED.			
H "				Butts.			
I "				Double or Triple and for what Length			
J "				Rivets, Straps, IF LAPPED.			
K "				Butts.			
L "				Double or Triple and for what Length			
M "				Rivets, Straps, IF LAPPED.			
N "				Butts.			
O "				Double or Triple and for what Length			
P "				Rivets, Straps, IF LAPPED.			
Q "				Butts.			
R "				Double or Triple and for what Length			
S "				Rivets, Straps, IF LAPPED.			
T "				Butts.			
U "				Double or Triple and for what Length			
V "				Rivets, Straps, IF LAPPED.			
W "				Butts.			
THICKNESS OF SHEET PILE				CLEAR OF LONG BRIDGE			
DO. OF STRAKE BELOW				DBLG. of Flat Plate Keel			
Sheerstrakes				Length and thickness.			
POOP SIDES				SHORT BRIDGE SIDES			
FORECASTLE SIDES							
Upper Deck Stringer Plate				Butts of Side Stringers			
Second Deck Stringer Plate				Inner Bottom Plating, riveting of Edges			
				Centre Girder Butts			
				Keelson Butts			
				Frames, riveted through Plates with			
				Rivets, state whether Iron or Steel			
FRAMES extend in one length from				State if ordinary or joggled			
REVERSED FRAMES on floors and frames extend from				State if ordinary or joggled			
MASTS, SPARS, &c.							
Material, Total Length, DIAMETER AND THICKNESS.				No. of Plates in round, ANGLES, Riveting.			
Fore, Main, Mizzen				Butts.			
Bowsprit							
Topmasts, Yards and Remainder of Spars							
Rigging, Material and Size, Shrouds							
Sails							

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EQUIPMENT No.				LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate				Weight, Ex. Stock				Weight of Stock				Test, Per Certificate			
42015				6 2 0				8 15 0				6 2 0			
42183				6 0 7				8 5 0				6 0 0			
16528				2 2 10				5 2 2 0				2 2 0			
4th "				15 0 17								15 0 0			
Collective weight															
Kedge															
Description of Anchor				Makers				Where and when tested and Superintendent							
Kall's pattern				Jorgensen & Co. Lftr.				18/2/14, Othman							
Ordinary								1/4/14				18/4/14 Scland			
Chain Cables.				HAWERS AND WARPS.											
Number of Certificate				Length and size supplied				Test per Certificate				Length and size supplied			
54939				90 1 18 27				45-3-17 45-3-17				90 1 18 27			
Iron Stream				Cir.				Cir.				Cir.			
Description				Makers of Cables				Where and when tested, and Superintendent				Material			
Kall's				Hawthorn & Co. Lftr.				18/2/14, Othman				TOWLINE			
Hawthorn & Co. Lftr.				Hawthorn & Co. Lftr.				Hawthorn & Co. Lftr.				Hawthorn & Co. Lftr.			
Boats				Steering Gear, Steam				Steering Gear, Hand							
Pumps, Number				Diameter of Barrel				State whether they are in efficient working order							
Windlass is				Capstan											
Engine Room Skylights				How constructed?				What arrangements for deadlights in bad weather?							
Coal Bunker Openings				How constructed?				How are lids secured?							
Number of Scuppers				and numbers and dimensions of Freeing Ports, &c.				Cargo Batts, thickness and material							
Ceiling in Holds				thickness and material				Hatches, If strong and efficient?							
Cargo Hatchways				How formed?				No. 1 Hatch				No. 2 Hatch			
State size No. 1 Hatch				No. 2 Hatch				No. 3 Hatch				No. 4 Hatch			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch															
Bulwarks, height above deck and description				No. of Breasthooks				No. of Crutches							
The foregoing are in accordance with the Rules				Main Rail, material and size				6 3 x 3 1/4							
Builder's Signature				Surveyor's Signature				Surveyor's Signature							
Correspondence				State dates and initials of letters respecting this case				Reference should be made in any correspondence connected with the case							
M 28/10/13				E 13/2/14											
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?				afew			
Are the butts of Plating, Stringers, &c., properly shifted and strapped?				Yes				State results of tests				satisfactory			
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?				Yes				State results of tests				satisfactory			
General Remarks				State quality of workmanship, &c.				This vessel has been built in accordance with the approved plans herewith enclosed, the Secretary's letter & formally in conformity with the Society's Rules, and the materials & workmanship throughout are good.							
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.				EMPYREAN "Kall Rft No 27768"							
The amount of Entry Fee				£ 2 0 0				Fees applied for							
Special Survey				£ 10 15 0				Received by me							
Travelling Expenses, if any				£ 19 7				29/14							
State whether the Vessel has been built under Special Survey				Yes				Certificate to be sent to				Hull			
I am of opinion this Vessel should be Classed				100A "Steam Trawler"				Surveyor to Lloyd's Register of British and Foreign Shipping.							
With, or without Freeboard, as condition of Class				without											
Committee's Minute				FRI AUG 14 1914											
Character assigned				100 A1											
				Steam Trawler											
				Lloyd's A & B. P.											
				+ h.m. 7 14											

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 66 ft., Bridge ☒ ft., Forecastle 19 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 ☒ should appear in the Register Book) 1 Stk.

Official No. _____; 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. 2046
Date 19/12/13
No. 164 in builder's yard.
DATES of Surveys held while building
1913: Dec 16. 1914 Jan 7. 8. 13 15. 20. 23. Feb 6. 9. 11/2. 18. 19. 23. 24. 27 Mar 3. 10. 13. 18
24. 27. 30. 31. Apr 6. 9. 15. 22. 23. May 6. 8. 11. 20. 22. 26. 29. Jun 10. 19. 24. 29 Jul 1. 7.

Surveyor's Signature BC Laws