With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

Lon. No 81437
Gros - 107313

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

Date of completion of report 27/6/19 Port of Hull No. 31175

Survey held at Goole Date, First Survey Dec 12/18 Last Survey 14th June 1919

On the (State if Single, ~~Twin~~ or Twin Screw) Trawler "~~John Heath~~" "KUVERA" Rig Fore + aft

+100 A1

CLASS Steam Trawler

Master F. Pierce

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 1919 Launched 6-11-18

By whom built Ouse Shipbuilding Co. Ld.

Owners Pearce & Nearly.

Managers R. D. Clarke & Coy. (Where necessary to be entered in Reg. Book.)

Residence Fish Dock. Road. Grimsby

Port belonging to Grimsby.

	Feet.
TONNAGE under Tonnage Deck	199.42
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	
Do. of Poop	
Do. of ~~B.O.Dk.~~ CHART	
Do. of ~~Bridge~~ House	2.98
Do. of Forecastle	
Do. of Houses on Dk.	
excess of Hatchways above Crown of Engine Room	202.40
Gross Tonnage	
Crew Space above Crown of Boiler Room	202.40
Deduct for Fees	106.68
Engine Room	8.52
Navigation Spaces	
Register Tonnage but on Beam	84.25

	Feet
Breadth (greatest moulded)	22.0
Depth, at middle of length from top of keel to top of upper deck beams at side	13.0
Transverse Number	35.0
Length on deck from fore part of stem to after part of stern post	115.0
Longitudinal Number	4025
Depth "d," at middle of length (See Secs. 2 & 13)	11.66
Proportions—Depths to Length—Upper Deck Beam at side to top of keel	8.84
" " Long Bridge Deck Beam at side to top of keel	—

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

LENGTH on Deck as per Rule	Feet. 115	Inches. 7	BREADTH— Moulded	Feet. 22	Inches. ✓

DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams Feet 12 Inches 2; Do. do. do. do. Second Dk. Beams Feet — Inches —

No. of Decks with flat laid one; No. of Tiers of Beams one

Dimensions of Ship per Register, Length 115.4 breadth 22.1 depth 12.1. Moulded depth, ft. ins. To Bridge Dk. Moulded depth, ft. 13 ins. To Upper Dk. Round of Upper Dk. Beam, Actual 6 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 L or L Bars~~ amidships	4	3	.40	4	3	.40
Do. in peaks	4	3	.32	4	3	.32
Do. in way of Double Bottoms ~~at Solid Floors~~	4	3	.32	4	3	.32
" " at intermdt. Bkts.						
Spacing of Frames from centre to centre amidships		21½			21½	
" " " from ⅜ length to Collision bulkhead						
" " " " in peaks						
REVERSED FRAME, Angles						
Do. in way of ~~Double Bottoms at Solid Floors~~ ENGINE ROOM	4	3	.36	4	3	.36
" " ~~at intermdt. Bkts.~~ BOILER ROOM	3	3	.30	3	3	.30
FRAMING, depth of girder						
FLOORS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships	16	×	.36	16	×	.36
" in way of Engine and Boiler Spaces		.36	.42		.36	.42
" thickness at the ends of vessel	16		.30	16		.30
" depth at ¾ the half breadth, as per Rule	ordinary floors					
" height extended at the Bilges	flanged 5"					
FLOORS in ~~Cell~~ Double Bottoms	16		.36	16		.36
" state if flanged (top & bottom)	flanged 5"					
" Spacing of Solid floors						
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	20		.30	20		.30
" " Angles, Top	5	3	.40	5	3	.40
" " " Bottom	5	3	.40	5	3	.40
" " " to Floors						
" Brackets at intermdt. frmg., wdth & thkness						
SIDE GIRDERS, number on each side & thickness	1		.28	1		.28
" " state if flanged (top and bottom)	no					
" " Angles (top and bottom)	2½	2½	.3	2½	2½	.3
" " " to Floors						
MARGIN PLATE, depth (exclusive of flange) and thickness	Straight across					
" " Angle to Outside Plating	flanged to shell 3"					
" " " Floors						
" Brackets at intermdt. frmg., wdth & thknss						
" Height of Outside Brackets above at bilge						
LOWER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
" " " in Engine and Boiler space						
" " " Remainder in Holds			.34			.34
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	5	3	.48	5	3	.40
" ~~In way of Long Bridge~~	alternate frames					
" Spacing						
BEAMS, 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						

Small Cargo Tank

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 " "	2½ dia.			
" Quarter 'tween Dks., " "		as arranged		
" " 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, Thorough Plate on Intercostal Plate Rider Plate~~	channel.			12×3½×3½×.50		
" Flat Plate Keel Angles						
" Horizontal Plates on Floors						
" Angles or Bulb Angles						
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						
" Intercostal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGERS, Number 2 one	5	3	.40	5	3	.40
" " Angle one	5	3	.44	5	3	.44
" Intercostal Plate, for length						
" Attached to outside plating with Angle						
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	45		.34	45		.34
" " " br'dth & thickness (in way of Bridge)	3×3		.32	3×3		.32
" " " Angle (clear of Bridge)						
" " " Tie Plate at sides of Hatchways						
" Deck.* ~~Iron or~~ Steel, for FULL lng.	.34 TO		.32	.34 TO		.32
" " Thickness (clear of Bridge)						
" " " (in way of Bridge)						
" Wood Deck. Material & thickness	Teak Wood Sheathed 6"×2½".					
Second Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck.* Iron or Steel, for lng.						
" 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						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						

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

Form 1A.—2m.6.11. 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, depth and thickness Bulb.	7½ x 1⅛	7½ x 1⅛
STEM, moulding and thickness	-do-	-do-
STERN-POST for Rudder do. do.	5½ x 3	5½ x 3
,, for Propeller	5¾ x 3	5¾ x 3
RUDDER—A×D² Table 22. Speed 10 KNOTS	A×D	55.4
,, **Main-Piece,** diameter at head	4¼	4¼
,, ,, ,, at heel	3¼	3¼

RUDDER, how constructed Forged

,, Thickness of ~~Plates or~~ Single Plate .78

Can the Rudder be unshipped afloat? 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.? Cargo Fleet Iron Co. Dorman Long & Co. Ltd. Consett Iron Co. Ltd. Park Gate Iron & Steel Co. Ltd.

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

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	Stiffeners. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck.
W.T. BULKHEADS	3	3							
Frame	6		.28	3×3×.30	–			Single	Deck
	12		.26	4×3×.30	30			"	"
" 38			.28×.26	5×3×.34	30			"	"
,, **COLLISION** 54			.28	6×3½×.4	24			"	"
PARTITION ,,									
LONGITUDINAL ,,									

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

Are the Sluice Valves and Watertight Doors in efficient working order? none.

PLATING.

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.
Flat Plate Keel (If Bar Keel, state fitting.)							
Garboard or A Strake		42	7/16	6/16	6/16	42	7/16
State actual thickness in way of Double Bottom.	B		6/16	5/16	5/16		6/16
	C		6/16	5/16	5/16		6/16
	D		7/16	6/16	6/16		7/16
	E		6/16	5/16	5/16		6/16
Sheer	F	40	7/16	6/16	6/16	40	7/16
	G						
	H						
	J						
	K						
	L						
	M						
	N						
	O						
	P						
	Q						
	R						
	S						
	T						
	U						
	V						
	W						
Thickness of Sheerstrake 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.

RIVETING.

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.
Upper joggled			1	5	Garboard to Keel.						
	Double	4½	¾	3.07	D.R. Full	¾	2⅝	9¾	.54	5	Full
	"	"	"	"	"	"	"			"	"
	"	"	"	"	"	"	"			"	"
	"	"	"	"	"	"	"			"	"
	"	"	"	"	"	"	"	9¾	.54		"

* 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** ✓ riveted.

Inner Bottom Plating, riveting of **Edges** ⅝ single **Butts** ⅝ dble.

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

Frames, riveted through Plates with ¾ in. Rivets, about 5¼ 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 bilge to bilge. 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	Larch	46-3	13"								
Main											
Mizen	Larch	38-0	12"								

Bowsprit

~~Topmasts, Yards and~~ Remainder of **Spars** Larch

Rigging, Material and Size, **Shrouds** Galv. steel wire 2½ **Stays** Fore 3¼ Mizen 2¾

Sails. One mizen sail ~~Suit of~~ & one fore trysail Sails, and the following spare sails none.

Form No. 1A

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

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.
80471	1st Bower	6	1	–	1	2	10	8	10	–	–	5	–	–	Iron Stock	Hingley & Sons	Netherton 20-10-18, H. Green
80068	2nd ,,	4	2	18	1	–	24	7	–	–	–	4	2	–	" "	Bradley & Co.	Bradley & Co. 28-10-18, J. C. Smith
80311	3rd ,,	2	3	–	–	3	–	5	5	–	–	2	2	–	" "	"	" " 4-12-18. "
	4th ,,																
	Collective weight.	13	2	14								12	–	–			
	Stream																
	Kedge																

If Patent state Name of Patentee. If Stockless state Makers' name.

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

1st Bower .....

2nd ,, ...

3rd ,, ...

4th ,, ...

None fitted

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.
									Stud		Lee & Co.
18987	90	1	18	27	44-1-5	45-3-14	90	1	Link	Thomas & [illegible]	[illegible] H. Green
Iron Stream Chain or Steel Wire		Cir.						Cir.			

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Diam. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.
Towline					
Hawsers & Warps	60	5½		60	5½
,, ,,	60	4		60	4
,, ,,					

Boats One. **Steering Gear, Steam** ✓ **Steering Gear, Hand** Webster & Bickerton.

Pumps, Number 3 Diameter of Barrel 4" State whether they are in efficient working order yes

Windlass is Steam by Emerson & Walker. **Capstan**

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

Coal Bunker Openings.—How constructed? C.I. discs. How are lids secured? locked. Height above deck? flush.

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 3 scuppers & 4 ports; 21 x 8¾, each side.

Ceiling in Holds, thickness and material **Cargo Battens,** thickness and material

Cargo Hatchways.—How formed? Steel 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** deep floors.

Bulwarks, height above deck and description 36 x 5/16 steel Main Rail, material and size 7 x 3 x .40 B.A.

The foregoing is a correct description. HULL SHIPBUILDING Co LTD GENERAL MANAGER *Surveyor's Signature* P. Fitzgerald.

Builder's Signature (here only) S. Hamling *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 28-1-18. E. 5-2-18.

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 & joggled plates. 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)? yes State results of tests Satisfactory

Have all the gutterways 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 & Secretary's letters. & in general conformity with the rules of this Society.

The materials & workmanship throughout are good.

Approved plans forwarded herewith for reference. Please return same for use in dealing with sister vessel.

Sister vessel "James Hartwell" Hull Report No. 30822.

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. "Thomas Haggarty"

The amount of Entry Fee ..... £ 4 : – : –

Special Survey Fee.... £ 20 : 4 : –

Travelling Expenses, if any £ ✓ : ✓ : ✓

Fees applied for, 27/6 1919

Received by me, 18.7. 1919 [illegible] 2/17.

Certificate to be sent to Hull *Date of issue* 21.7.19.

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

P. Fitzgerald & Lockhart *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute FRI. 4-JUL. 1919

Character assigned 100 A1 Steam Trawler

Lloyd's A & B. P

✠ L. Mc. 6:19

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

0173 2/2

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ 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. ; Signal Letters . State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Cement & Paint. ✓ Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors girders.

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,	28'-8"	19 ✓	Other tanks, if fitted,		
	Total capacity of double bottom	19 ✓	(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. ✓

Date ✓

No. 62 in builder's yard.

Dates of Surveys held while building: 1918:-Dec 12.19 1918: Jan 10.17.24.31 Feb 7.15.Mar 12.19 Apr 4.12.19.29 May 13 22.24.28. 30.June 6.10.20.25 Jul 10.19.26.Aug 1.13.19.23.27. Sep 3.6.11. 19.24.Oct 2.7.14.17.23.30.31. Nov 4.7.14.18.24.Dec 6.11. 1919. Jan 23.30 Feb 21.26. Mar 13.26.Apr 1.14.23. May 9.14.26.29. June 5.14

Total No. of Visits 65.

Surveyor's Signature P. Fitzgerald & W.H. Roberts