

2 Dks., R.Q.Dk.,
and Pt. Awng Dk.

IRON STEAMER.

No. 11259
TUES, 24 AUG 1897

State if Report is also sent on the Machinery of the Vessel Yes
Date of completion of Report 20/8/97
Date, First Survey Feb. 9th

Received at London Office
Port of Hull
Last Survey Aug 4th 1897
Rig Beam

Survey held at Hull
On the Iron Steam Trawler Indian Empire

TONNAGE under Tonnage Deck } 169.36
Do. of Poop } 4.22
Do. of Raised Qr. } 8.05
Dk. or Break. } 8.05
Do. of Bridge House } 181.63
Do. of Forecastle } 9.35
Do. of Houses on Deck } 8.05
Do. of excess of Hatchways } 164.23
Do. above Crown of Engine Room } 98.65
Gross Tonnage } 8.45
Less Crew Space } 65.15
Less above Crown of Engine Room } 65.15
TONNAGE FOR FEES } 65.15
Less Engine Room } 65.15
Less Navigation Spaces } 65.15
Register Tonnage } 65.15
as cut on Beam }

ONE ~~DECKED~~ DECKED VESSEL.
CLASS +100 A1

Half Breadth (moulded) 10.43 FEET.
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam) 12.58
Girth of Half Midship Frame (as per Rule) 18.58
1st Number 41.59
Length on deck from after part of stem to fore part of stern post 109
2nd Number 4533.31
Proportions—Breadths to Length 0.6
Depths to Length—Main Deck to top of Keel 5.2
Destined Voyage Fishing

Master
Year of appointment (1) As master in service of owner of present vessel—18
(2) As master of this vessel—18
Built at Hull
When built 1897 Launched 5 July 1897
By whom built Cook Wilson & Bennett
Owners Cargill Steam Trawling Co
Managers
(Where necessary to be entered in Reg. Book.)
Residence Hull
Port belonging to Hull

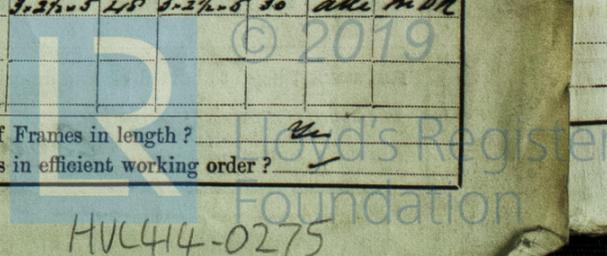
LENGTH of Deck as per Rule 109 Feet. 0 Inches.
BREADTH—Moulded 20 Feet. 10 3/8 Inches.
DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 11 Feet. 3 Inches.
No. of Decks with Flat laid One
No. of Tiers of Beams One
Dimensions of Ship per Register, Length, 110 breadth, 21 depth, 11.3 Moulded Depth, 12 ft. 1 ins. Round of Beam, Actual 6 ins.

FRAMING.	Inches in Ship		16ths of 1/8ths per Rule Or as Approved		Inches per Rule Or as Approved	
	Inches	16ths	Inches	16ths	Inches	16ths
FRAME, Angles, <u>7</u> Bars, for $\frac{2}{3}$ length amidships	<u>3</u>	<u>2 1/2</u>	<u>5</u>	<u>3</u>	<u>2 1/2</u>	<u>5</u>
Do. for $\frac{1}{3}$ at each end	<u>3</u>	<u>2 1/2</u>	<u>5</u>	<u>3</u>	<u>2 1/2</u>	<u>5</u>
Do. in way of Double Bottoms at Solid Floors	<u>1</u>					
" " at intermdt. Bkts.	<u>1</u>					
Distance of Frames from moulding edge to moulding edge, all fore and aft	<u>20</u>		<u>20</u>			
EVERSED FRAME, Angles	<u>2 1/2</u>	<u>2 1/2</u>	<u>4</u>	<u>2 1/2</u>	<u>2 1/2</u>	<u>4</u>
DEEP FRAMING, depth of girder	<u>16</u>	<u>6</u>	<u>16</u>	<u>6</u>		
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{2}{3}$ length amidships	<u>16</u>	<u>7</u>	<u>16</u>	<u>7</u>		
" in way of Engines and Boilers	<u>16</u>	<u>6</u>	<u>16</u>	<u>6</u>		
" thickness at the ends of vessel	<u>16</u>	<u>6</u>	<u>16</u>	<u>6</u>		
" depth at $\frac{2}{3}$ the half breadth, as per Rule	<u>16</u>	<u>6</u>	<u>16</u>	<u>6</u>		
" height extended at the Bilges	<u>1</u>		<u>1</u>			
FLOORS & BRACKETS, in Cell Dble Bottoms	<u>1</u>		<u>1</u>			
" Distance apart	<u>1</u>		<u>1</u>			
CENTRE GIRDER, in Double Bottom, depth and thickness	<u>1</u>		<u>1</u>			
" Angles, Top	<u>1</u>		<u>1</u>			
" Bottom	<u>1</u>		<u>1</u>			
DEE GIRDERS, number on each side & thickness	<u>1</u>		<u>1</u>			
" Angles	<u>1</u>		<u>1</u>			
MARGIN PLATE, depth (exclusive of flange) and thickness	<u>1</u>		<u>1</u>			
" Angles to Outside Plating	<u>1</u>		<u>1</u>			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<u>1</u>		<u>1</u>			
" thickness in Engine and Boiler space	<u>1</u>		<u>1</u>			
" Remainder in Holds	<u>1</u>		<u>1</u>			
RAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<u>5 1/2</u>	<u>3</u>	<u>7</u>	<u>5 1/2</u>	<u>3</u>	<u>7</u>
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average space	<u>40</u>		<u>40</u>			
RAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<u>1</u>		<u>1</u>			
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average space	<u>1</u>		<u>1</u>			
RAMS, Hold, Plate or Tee Bulb	<u>1</u>		<u>1</u>			
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average space	<u>1</u>		<u>1</u>			
RAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	<u>1</u>		<u>1</u>			
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average space	<u>1</u>		<u>1</u>			
RAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	<u>1</u>		<u>1</u>			
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average Space	<u>1</u>		<u>1</u>			
RAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<u>1</u>		<u>1</u>			
" Angles on Upper Edge	<u>1</u>		<u>1</u>			
" Average space	<u>1</u>		<u>1</u>			
RAMS, In 'tween Decks, Size and Spacing	<u>1</u>		<u>1</u>			
" Hold	<u>40</u>	<u>2 1/2</u>	<u>40</u>	<u>2 1/2</u>		
" Quarter, 'tween Dks., "	<u>1</u>		<u>1</u>			
" in Hold	<u>1</u>		<u>1</u>			
RAMS, In Fore Body, No. and Spacing	<u>1</u>		<u>1</u>			
" Brdth. & Thickness	<u>1</u>		<u>1</u>			
" No. of Side Stringers	<u>1</u>		<u>1</u>			
RAMS, In E. & B. Space, No. & Spacing	<u>1</u>		<u>1</u>			
" Brdth. & Thickness	<u>1</u>		<u>1</u>			
RAMS, In After Body, No. and Spacing	<u>1</u>		<u>1</u>			
" Brdth. & Thickness	<u>1</u>		<u>1</u>			
" No. of Side Stringers	<u>1</u>		<u>1</u>			
RAMS, Size of Angles or Tee Bars to Web Frames	<u>1</u>		<u>1</u>			
RAMS, PLATES to Stringers between Web Frames, Depth and Thickness	<u>1</u>		<u>1</u>			

FORGINGS AND CASTINGS.	Inches in Ship.		Inches per Rule Or as Approved.		
	Inches	16ths	Inches	16ths	
KEEL, Bar or Side Plates depth and thickness	<u>7 1/2</u>	<u>1 1/2</u>	<u>7 1/2</u>	<u>1 1/2</u>	
STEM, moulding and thickness	<u>8</u>	<u>2</u>	<u>8</u>	<u>2</u>	
STERN-POST for Rudder do. do.	<u>6</u>	<u>2 1/2</u>	<u>6</u>	<u>2 1/2</u>	
" for Propeller	<u>6</u>	<u>2 1/2</u>	<u>6</u>	<u>2 1/2</u>	
MAIN PIECE of Rudder, diameter at head do. at heel	<u>3 1/2</u>		<u>3 1/2</u>		
RUDDER, how constructed <u>Triged frame attached</u> Can the Rudder be unshipped afloat? <u>Yes</u>					
KEELSONS AND STRINGERS.		Inches in Ship.		Inches per Rule Or as Approved.	
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<u>7 1/2</u>	<u>7</u>	<u>7 1/2</u>	<u>7</u>	
" Rider Plate	<u>1</u>		<u>1</u>		
" Bulb Plate to Intercoastal Keelson	<u>1</u>		<u>1</u>		
" Horizontal Plates on Floors	<u>1</u>		<u>1</u>		
" Angles	<u>4</u>	<u>3</u>	<u>4</u>	<u>3</u>	<u>7</u>
SIDE KEELSON, Angles	<u>1</u>		<u>1</u>		
" Bulb or Plate above floors for length	<u>1</u>		<u>1</u>		
" Intercoastal Plate for length	<u>1</u>		<u>1</u>		
" Attached to outside plating with Angle	<u>1</u>		<u>1</u>		
BILGE KEELSON, Angles	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>6</u>
" Bulb or Plate above floors for length	<u>1</u>		<u>1</u>		
" Intercoastal Plate for length	<u>1</u>		<u>1</u>		
" Attached to outside plating with Angle	<u>1</u>		<u>1</u>		
BILGE STRINGER Angles	<u>1</u>		<u>1</u>		
" Bulb Plate for length	<u>1</u>		<u>1</u>		
" Intercoastal Plate for length	<u>1</u>		<u>1</u>		
" Attached to outside plating with Angle	<u>1</u>		<u>1</u>		
SIDE STRINGER Angles	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>6</u>
" Bulb or Intercoastal Plate for length	<u>1</u>		<u>1</u>		
" Attached to outside plating with Angle	<u>1</u>		<u>1</u>		
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<u>23</u>	<u>6</u>	<u>23</u>	<u>6</u>	
" Angle on ditto	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>6</u>
" Tie Plates fore & aft, outside Hatchways	<u>17</u>	<u>6</u>			
" Diagonal Tie Plates on Bms., No. of Pairs	<u>1</u>		<u>1</u>		
" Main Dk* Iron or Steel for length	<u>1</u>		<u>1</u>		
" R. Q. Dk* Iron or Steel for length	<u>1</u>		<u>1</u>		
" Wood Deck, Material & thickness	<u>S.P. Pine</u>		<u>S.P. Pine</u>		
Lower Deck Stringer Plate, breadth and thickness	<u>1</u>		<u>1</u>		
" Angles on ditto, No.	<u>1</u>		<u>1</u>		
" Tie Plates, outside Hatchways	<u>1</u>		<u>1</u>		
" Deck* Material and thickness	<u>1</u>		<u>1</u>		
Hold Stringer Plate	<u>1</u>		<u>1</u>		
" Angles on ditto, No.	<u>1</u>		<u>1</u>		
Poop Deck Stringer Plate, breadth & thickness	<u>1</u>		<u>1</u>		
" Angle on ditto	<u>1</u>		<u>1</u>		
" Tie Plates	<u>1</u>		<u>1</u>		
" Deck, Material and thickness	<u>1</u>		<u>1</u>		
Bridge Deck Stringer Plate, brdth & thickness	<u>1</u>		<u>1</u>		
" Angle on ditto	<u>1</u>		<u>1</u>		
" Tie Plates	<u>1</u>		<u>1</u>		
" Deck, Material and thickness	<u>1</u>		<u>1</u>		
Forecastle Deck Stringer Plate, brdth & thcknss	<u>1</u>		<u>1</u>		
" Angle on ditto	<u>1</u>		<u>1</u>		
" Tie Plates	<u>1</u>		<u>1</u>		
" Deck, Material and thickness	<u>1</u>		<u>1</u>		

BULKHEADS.	Number.		Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
	In Vessel.	Per Rule.		Horizontal.		Vertical.			
				Size.	Spacing.	Size.	Spacing.		
W.T. BULKHEADS	<u>3</u>	<u>3</u>	<u>1/2</u>	<u>3</u>	<u>2 1/2</u>	<u>5</u>	<u>30</u>	<u>ALL IN DR</u>	
PARTITION	<u>1</u>								
LONGITUDINAL	<u>1</u>								

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



HVL414-0275

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		LOW EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.	Diam.	Spacing cr. to cr.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.							Inches.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL	30	7	7	30	7	all	7 1/2	4 1/2	all	3/4	3	9 1/2	7						
GARBOARD OF A STRAKE	40	6	6	40	6	all	4 1/2	3 1/2	all	5/8	2 1/2	8	6						
B	38	6	6	38	6	edge	2 1/2	3/4				8	6						
C	37 1/2	6	6	37 1/2	6	edge						8	6						
D	38	6	6	38	6	edge						8	6						
E	40	6	6	40	6	edge						8	6						
F	33	9	6	33	9	edge	4 1/2	3/4	all	3/4	3	9 1/2	10						
G																			
H																			
I																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING OF FLAT PLATE KEEL																			
Length and thickness of Bilges																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES				5	5	edge	2 1/2	3/4	all	3/4	2 1/2	8	5						
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING																			

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, outside Plating, &c.?
Woolston Mill
San C. Consett & Co. Iron Works

Main Stringer Plate { Butts, riveted for *whole* length amidship.
 Straps, single, double or overlapped for *whole* length amidship

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?
 Inner Bottom Plating, riveting of Edges - Butts -
 Centre Girders Butts, riveted. Keelson Butts, riveted.
 Frames, riveted through Plates with *3/4* in Rivets, about *5* apart.
 Rivets, state whether of Iron or Steel *Iron*

Has the Steel been tested as required by the Rules

FRAMES extend in one length from *Keel* to *Main Deck*

REVERSED FRAMES on floors and frames extend from *Upper Bulge to Upper Bulge*
bottom to the Engine Traverser Space

MASTS, SPARS, &c.										
LOWER MASTS...	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
Fore	Wood	57.9	14							
Main	Wood	55.9	12							
Mizen	Wood									
Bowsprit										
Topmasts, Yards and Remainder of Spars	Wood									
Rigging, Material and Size, Shrouds		3/4 & 2 1/2								
Sails	one	Suit of	Sail							

EQUIPMENT No. LETTER TONNAGE FOR TRAWLERS 16936 U.D.K.																		
ANCHORS.																		
Number of Certificate.	Anchors.	WEIGHT, EX STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.						
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.				qrs.	lbs.				
39482	1st Bower	4	3	2	1	0	17	7	5	0	0	4	3	0	0	Rodgers	Iron Beam	Prothman
39483	2nd "	4	0	17	1	0	11	6	12	2	0	4	1	0				21 June 97
39484	3rd "	2	2	0	2	30	5	0	0	0	0	2	2	0				4 June
	Collective weight	11	2	19								11	2	0				
	Stream																	
	Kedge																	

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Table 22.					
				Supplied.	Per Table 22.														
22381	90	1 1/2	210	5	12	90	1 1/2	Iron Beam	Prothman	29 June	4 June	TOWLINE	60	5 1/2	60	5 1/2			
												HAWSER	60	4	60	4			
												WARP	60	4	60	4			

Boats *one*

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

Windlass is *Iron Patent* Capstan *Yes*

Engine Room Skylights.—How constructed? *Iron framing with glass light*

What arrangements for deadlights in bad weather? *solid shutters with rubber eyes*

Coal Bunker Openings.—How constructed? *Coal iron* How are lids secured? *Weld & catch* Height above deck? *Head*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *5 Scuppers 5 1/2 ft on each side. Ports 17 x 9*

Ceiling in Holds, thickness and material *Plum 2* Ceiling 'tween Decks, thickness and material *—*

Cargo Hatchways.—How formed? *Iron framing* Hatches.—If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *24' x 11'* No. 2 Hatch *24' x 11'* No. 3 Hatch *16' x 8' 6"* No. 4 Hatch *8' 6" x 2' 0"*

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

No. of Breasthooks *Three* No. of Crutches *Two*

Bulwarks, height above deck and description *Iron 30'* Main Rail, material and size *6 x 3/4 x 7 Bull angle*

The above is a correct description.

Builder's Signature (here only) *Cook Melkew & Greenwell* Surveyor's Signature *James James* 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) *M. 2/2/94*

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. 23, par 24)? *Yes* State results of tests *—*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *—*

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

This Steam Trawler has been built under special survey in accordance with the approved sketch of the Midship Section and in other respects in accordance with the Board's Rules and the Secretary's letter dated M. 2/2/94

The Midship Section sent to London 9/8/97

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *—* ft., R.Q.D. or Break *25.0* ft., Bridge Dk. *—* ft., F'castle *—* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *One Deck*

Official No. *—*; Signal Letters *—*

How are the surfaces preserved from oxidation? Inside *Portland Cement & 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, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Midship tank,	10.0	5
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,			(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. *829*

Date *3/2/94*

No. *191* in builder's yard

DATES OF SURVEYS held while building *1897—Feb 9, Mar 10, 19, 25 Apr 2, 9, 14, 24 May 1, 11, 19, 24, 28 June 2, 11, 19, 30 July 2, 5, 7, 9, 14, 17, 21, Aug 6, 7.*

Total No. of Visits *26*

The amount of Entry Fee *£ 8 : 4 : -* Fees applied for, *23/8/1897* *£ 5.97*

Special *£ 8 : 4 : -* Received by me *11.9.18* *97*

Certificate *—*

Traveling Expenses, if any *£ — : — : -*

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 *Yes*

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

Committee's Minute *FRI. 27 AUG 1897*

Character assigned *100A1 Iron Trawler*

Laver + LMC & Co

100A1

100A1