

1st Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 16304

THUR. 27 OCT 1904

Received at London Office.

State of Report is also sent on the Machinery of the Vessel
Date of completion of Report 22. October 1904
Date, First Survey May 16th 1904 Last Survey October 5th 1904

Survey held at Selby

55 "INGOMAR"

Rig - *Chesterfield*

Master ✓

Year of appointment

(1) As master in service of owner of present vessel - 1904
(2) As master of this vessel - 1904

On the TONNAGE under Tonnage Deck...

Do. of Poop 19.34
Do. of Raised Or. 15.39
Do. of Break... 2.11
Do. of Bridge House
Do. of Forecastle Break...
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of Engine Room... 4.76
Gross Tonnage 216.59
Less Crew Space 17.97
Less above Crown of Engine Room... 7.76
TONNAGE FOR FEES... 190.86
Less Engine Room 113.35
Less Navigation Spaces 5.31
Register Tonnage as cut on Beam... 79.96

ONE DECKED VESSEL.
CLASS +100A1

Half Breadth (moulded) 10.71
Depth from upper part of Keel to top of Main Deck Bms. 12.778
Girth of Half Midship Frame (as per Rule) 19.000
1st Number 42.488
Length on deck from after part of stem to fore part of stern post 113.875
2nd Number 4833
Proportions - Breadths to Length 5.554
Depths to Length - Main Deck to top of Keel 8.91

Built at Selby
When built 1904 Launched 16th Aug.
By whom built *Bochran & Sons*
Owners *James & Co. Ltd.*
Residence *Grimsby*
Port belonging to *Grimsby*

Destined Voyage *Grimsby*

If Surveyed while Building, Afloat, or in Dry Dock *Building afloat*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
113	10 1/2	21	5	11	5 3/4	1	1	1	one	one

Dimensions of Ship per Register, Length, 115-0 breadth, 21.5 depth, 11.5

FRAMING.					
FRAME, Angles, 7-E or L Bars, for 1/2 length					
Do. for 1/2 at each end	3	2 1/2	5/16	3	2 1/2
Do. in way of Double Bottoms at Solid Floors.	3	2 1/2	5/16	3	2 1/2
Spacing " Frames from centre to centre	20	2 1/2	4/16	2 1/2	4/16
REVERSED FRAME, Angles					
DEEP FRAMING, depth of girder					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16	x	6/16	16	x
" in way of Engines and Boilers			7/16		7/16
" thickness at the ends of vessel			5/16		5/16
" depth at 1/2 the half breadth, as per Rule					
" height extended at the Bilges					
FLOORS & BRACKETS, in Cell Dble Bottoms					
" state if flanged (top & bottom)					
" Spacing					
CENTRE GIRDER, in Double Bottom, depth and thickness					
" Angles, Top					
" Bottom					
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)					
" Angles					
MARGIN PLATE, depth (exclusive of flange) and thickness					
" Angles to Outside Plating					
" Floors					
" Height of Floors at the Bilges					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake					
" thickness in Engine and Boiler space					
" Remainder in Holds					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on Upper Edge	5	3	8/16	5	3
" Spacing	40				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on Upper Edge					
" Spacing					
BEAMS, Hold, Plate or Tee Bulb					
" Angles on Upper Edge					
" Spacing					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on Upper Edge					
" Spacing					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb					
" Angles on Upper Edge					
" Spacing					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on Upper Edge	5	3	8/16	5	3
" Spacing	40				
PILLARS, in 'tween Decks, Size and Spacing					
" Hold	2 1/2	x	40	2 1/2	x
" Quarter, 'tween Dks.					
" in Hold	2 1/2	x	40	2 1/2	x
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 Angles or Tee Bars to Web Frames					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness					

FORGINGS AND CASTINGS.					
KEEL, Bar or Side Plates depth and thickness					
STEM, moulding and thickness	7 1/2 x 1 1/2		7 1/2 x 1 1/2		
STERN-POST for Rudder do. do.	6 x 2 1/2		6 x 2 1/2		
" for Propeller	6 x 2 1/2		6 x 2 1/2		
MAIN PIECE of Rudder, diameter at head	4 1/2		4 1/2		
do. at heel	2 3/4 x 2 1/2		2 3/4 x 2 1/2		
RUDDER, how constructed					
Can the Rudder be unshipped afloat?	Yes		Yes		
KEELSONS AND STRINGERS.					
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" Bulb Plate to Intercoastal Keelson	7 1/2	x	7/16	7 1/2	x
" Horizontal Plates on Floors					
" Angles	4	3	7/16	4	3
SIDE KEELSON, Angles					
" Bulb or Plate above floors for length					
" Intercoastal Plate for length					
" Attached to outside plating with Angle					
BILGE KEELSON, Angles					
" Bulb or Plate above floors for length	5	4	8/16	5	4
" Intercoastal Plate for length					
" Attached to outside plating with Angle					
BILGE STRINGER Angles					
" Bulb Plate for length					
" Intercoastal Plate for length					
" Attached to outside plating with Angle					
SIDE STRINGER Angles					
" Bulb or Intercoastal Plate for length	5	4	8/16	5	4
" Attached to outside plating with Angle					
Main and Raised Quarter Deck Stringer Plate, breadth and thickness					
" Angle on ditto	30 x 5/16		30 x 5/16		
" Tie Plates, outside Hatchways	3 x 3 x 5/16		3 x 3 x 5/16		
" Diagonal Tie Plates on Bms., No. of Pairs	8 x 1/20		8 x 1/20		
" Main Dk. Iron or Steel for					
" R. Q. Dk. Steel	5/16		5/16		
" Wood Deck, Material & thickness	3		3		
Lower Deck Stringer Plate, breadth and thickness					
" Angles on ditto, No.					
" Tie Plates, outside Hatchways					
" Deck Material and thickness					
Hold Stringer Plate					
" Angles on ditto, No.					
Poop Deck Stringer Plate, breadth & thickness					
" Angle on ditto					
" Tie Plates					
" Deck, Material and thickness					
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness					
" Angle on ditto					
" Tie Plates					
" Deck, Material and thickness					
Forecastle Deck Stringer Plate, brdth & thcknss					
" Angle on ditto	30	5/16	30	5/16	
" Tie Plates	3 x 3 x 5/16		3 x 3 x 5/16		
" Deck, Material and thickness	1/4 x 5/16		1/4 x 5/16		
" "	3		3		
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
STIFFENERS.					
BULKHEADS.					
In Vessel	Per Rule	Thickness	Horizontal	Vertical	Single or Double Frames
W.T. BULKHEADS	3	3	4/16	3 x 2 1/2 x 1/2	48
PARTITION	1	4/16	as	as	as
LONGITUDINAL					
Are the outside Plates doubled two spaces of Frames in length?					Yes
Are the Stiffeners and Watertight Decks in efficient working order?					Yes

PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.									
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		Ordinary or Double?		RIVETS.		STRAPS.		IF LAPPED.					
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.				
FLAT PLATE KEEL	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
GARBOARD OR A STRAKE	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
State actual thickness in way of Double Bottom.	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
Sheer	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
POOP SIDES	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
RAISED QUARTER DECK SIDES	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
BRIDGE SIDES	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
FORECASTLE SIDES	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
LENGTHS OF PLATING	30	7/16	7/16	7/16	30	7	7	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	9 3/4	8 1/4			
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. <i>Siemens-Martin Process</i>										Main Stringer Plate Butts, riveted for whole length amidship. Straps, riveted for whole length amidship.									
Has the Steel been tested as required by the Rules? <i>Yes</i>										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? <i>Yes</i>									
FRAMES extend in one length from <i>keel</i> to <i>gunwale</i> state if ordinary or joggled <i>ordinary</i>										Inner Bottom Plating, riveting of Edges Butts <i>Yes</i>									
REVERSED FRAMES on floors and frames extend from <i>middle line to 10 ft on every frame in 6 ft 10 space</i> state if ordinary or joggled <i>no</i>										Centre Girder Butts, riveted. Keelson Butts, riveted.									
MASTS, SPARS, &c.										Frames, riveted through Plates with <i>3/4</i> in. Rivets, about <i>4 1/2</i> apart.									
Equipment No. <i>Letter</i>										Rivets, state whether of Iron or Steel <i>Iron</i>									
ANCHORS.										Tonnage U.D.K. or Plating No. for Traversers <i>4833</i>									
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 by whom.										Number. Size. Seams. Butts.									
37400 1st <i>Anchor</i> 5 0 17 1 14 7 11 3 14 5 0 0 0 <i>Rodgers'</i> <i>Patented 1/10/1904</i>										2nd <i>Anchor</i> 4 2 12 1 0 2 17 0 0 0 4 2 0 0 <i>do</i> <i>Patented 1/10/1904</i>									
37401 3rd <i>Anchor</i> 2 2 6 0 1 20 5 1 2 0 2 2 0 0 <i>do</i> <i>Patented 1/10/1904</i>										Collective weight <i>13 1 7</i>									
Stream <i>Anchor</i> <i>do</i>										Kedge <i>Anchor</i> <i>do</i>									
CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size per Table 22. Description. Makers of Cables. Where and when tested and by whom.										Material. Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 22.									
37400 60 1 12 24 34 2 4 4 10 20 <i>Anchor</i> <i>Patented 1/10/1904</i>										37401 30 1 12 24 34 2 4 4 10 20 <i>Anchor</i> <i>Patented 1/10/1904</i>									
Boats <i>one</i>										Pumps, Number <i>four</i> <i>as per approved drawing</i> Diameter of Barrel <i>6 in</i> State whether they are in efficient working order <i>yes</i>									
Windlass is <i>Cast iron</i> by <i>Cochrane & Sons</i> Capstan <i>do</i>										Engine Room Skylights—How constructed? <i>Teak on steel coaming</i>									
What arrangements for deadlights in bad weather? <i>bulls eyes in teak shutters</i>										Coal Bunker Openings—How constructed? <i>Cast iron</i> How are lids secured? <i>studs &c</i> Height above deck? <i>flush</i>									
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>5 Scuppers & 3 ports each side 18" x 9"</i>										Ceiling in Holds, thickness and material <i>2" redwood pine</i> Cargo Battsens, thickness and material <i>do</i>									
Cargo Hatchways—How formed <i>plank</i> <i>rafter</i> Hatches—If strong and efficient? <i>yes</i>										State size No. 1 Hatch (Forward) <i>5'3" x 3'0"</i> No. 2 Hatch <i>3'4" x 3'0"</i> No. 3 Hatch <i>3'0" x 2'6"</i> No. 4 Hatch <i>3'0" x 2'6"</i>									
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch.										No. of Breasthooks <i>two</i> No. of Crutches <i>two</i>									
Bulwarks, height above deck and description <i>30" steel plating</i> Main Rod and Stays, material and size <i>6 1/2 x 3 x 8/16 18 A</i>										The above is a correct description. <i>Cochrane & Sons</i> Surveyor's Signature <i>Edward B. Wilson</i> 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) *17/2/04* *E 22/3/04*

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 facing surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *No*

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 *satisfactory*

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

General Remarks (State quality of workmanship, &c.) *The workmanship throughout is good and the vessel is built in accordance with the approved drawings. (The app'd midship section was forwarded to London on the 22-9-04) and also in accordance with the Secretary's letter above referred and in general conformity with the Society's Rules for the Contingent class. To complete the vessel the Enquired Boiler casings and the deck in way of same has to be completed. The hawsers, masts, masts spars, rigging have yet to be supplied which will be carried out at Grimsby where the Enquired Boat will be put on board fitted. Subject to these requirements the vessel is recommended for the Contingent class. The anchors and chain cables will also be supplied at Grimsby. This vessel is a sister vessel to the SS Leonora & SS Defiance nos 160634 & 16151 respectively. The Surveyor should state the Number of Report and Name of any Sister Vessel.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *61 1/2* ft., R.Q.D. or Break *61 1/2* ft., Bridge Dk. *21* ft., F'castle *21* 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) *1 DR*

Official No. *do*; Signal Letters *do* 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.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	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,		

* 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. *1397* 1904: May 16.25. June 6.15.24 July 4.14.22.27 Aug 5.9.23 Sep 10.16

Date *2/5/04* at Grimsby October 4. 7. 15.

No. *326* in builder's yard Dates of Surveys held while building *17*

The amount of Entry Fee *1* : : : *22/9/1904* Fees applied for, *Base completed at Grimsby*

Special *9* : : : *24/9/1904* Received by me, *Edward B. Wilson*

Travelling Expenses, if any *1* : : : *24/9/1904*

State whether the Vessel has been built under Special Survey *yes*

I am of opinion this Vessel should be Classed *100A 1st Trawler* *Allison B. Wilson*

With or without Freeboard, as condition of Class *yes* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUES. 1 NOV 1904*

Character assigned *100A 1st Trawler*

Lloyd's A & B P *+ L.M.B 100A*