

and  
1st 2 Dks., R.Q.Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

No. 18458

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

Date of completion of Report

Oct. 25/06

Received at London Office

THUR. 1 NOV 1906

Date, First Survey

May 11<sup>th</sup>

Port of Hull

Last Survey

Oct. 16<sup>th</sup> 1906.

Rig Ketch.

Survey held at Billy

On the Steel Steam Saver "AURORA"

TONNAGE under

205.92

Tonnage Deck...

Do. of Poop

Do. of Raised Qr.

13.39

Do. of Break...

Do. of Bridge House

Do. of Forecastle Bulk

1.44

Do. of Houses on Deck

3.87

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

224.92

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

224.92

Less Engine Room

115.19

Less Navigation Spaces

3.50

Register Tonnage

106.23

as cut on Beam

ONE OR TWO DECKED VESSEL.

CLASS B100 A1 Steam Saver

Half Breadth (moulded) 10.95

Depth from upper part of Keel to top of Main Deck Bms. 12.96

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) 19.33

1st Number 43.24

Length on deck from after part of stem to fore part of

stern post 115.87

2nd Number 5010

Proportions—Breadths to Length 5.2

Depths to Length—Main Deck to top of Keel 8.9

Destined Voyage Fishing

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

Master ✓

Year of appointment

(1) As master in service of  
owner of present vessel:—19  
(2) As master of this  
vessel:—19

Built at Billy

When built 1906

Launched 4<sup>th</sup> July

By whom built Cochrane & Sons.

Owners The Consolidated Steam Fishing & Ice Co. Ltd.

Managers

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

Residence Grimsby.

Port belonging to Grimsby.

and Grimsby.

Port belonging to Grimsby.

and Grimsby.

Port belonging to Grimsby.

and Grimsby.

LENGTH on Deck as per Rule 115 Feet. 10 1/2 Inches. BREADTH—Moulded 21 Feet. 11 1/4 Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 11 Feet. 9 Inches. No. of Decks with Flat laid On No. of Tiers of Beams On

Dimensions of Ship per Register, Length, 117.2 breadth, 22.0 depth, 11.67 Moulded Depth, 12 ft. 6 ins. Round of Beam, Actual 7 ins.

FRAMING.			FORGINGS AND CASTINGS.		
	Inches in Ship.	16ths in Ship.		Inches in Ship.	16ths in Ship.
FRAME, Angles, <u>2 1/2</u> x <u>4</u> Bars, for 1/2 length amidships	4	3 3/20	KEEL, Bar or Side Plates depth and thickness	4 1/2 x 1 5/8	4 1/2 x 1 5/8
Do. for 1/2 at each end			STEM, moulding and thickness	7 1/2 x 1 5/8	7 1/2 x 1 5/8
Do. in way of Double Bottoms at Solid Floors			STERN-POST for Rudder do. do.	6 x 2 1/2	6 x 2 1/2
" " at intermdt. Bkts.			" " for Propeller	4 1/2	4 1/2
Spacing of Frames from centre to centre	20	20	MAIN PIECE of Rudder, diameter at head	3 1/2 x 2 1/2	2 3/4 x 2 1/2
REVERSED FRAME, Angles	2 1/2	2 1/2	RUDDER, how constructed <u>Forged iron frame, plated.</u>		
DEEP FRAMING, depth of girder	4		Can the Rudder be unshipped afloat? <u>Yes.</u>		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16	6			
" " in way of Engines and Boilers		7	KEELSONS AND STRINGERS.		
" " thickness at the ends of vessel		5	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	4 1/2	7
" " depth at 1/2 the half breadth, as per Rule	Straight across		" " Rider Plate		
" " height extended at the Bilges	Sul plan.		" " Bulb Plate to Intercoastal Keelson		
FLOORS & BRACKETS, in Cell Dble Bottoms			" " Horizontal Plates on Floors		
" " state if flanged (top & bottom)			" " Angles	4	3
" " Spacing			SIDE KEELSON, Angles		
CENTRE GIRDER, in Double Bottom, depth and thickness			" " Bulb or Plate above floors for lng.		
" " Angles, Top			" " Intercoastal Plate for length		
" " Bottom			" " Attached to outside plating with Angle		
SIDE GIRDERS, number on each side & thickness			BILGE KEELSON, Angles (On)	5	4
" " state if flanged (top & bottom)			" " Bulb or Plate above floors for lng.		
" " Angles			" " Intercoastal Plate for length		
MARGIN PLATE, depth (exclusive of flange) and thickness			" " Attached to outside plating with Angle		
" " Angles to Outside Plating			BILGE STRINGER Angles		
" " Floors			" " Bulb Plate for length		
" " Height of Floors at the Bilges			" " Intercoastal Plate for length		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake			" " Attached to outside plating with Angle		
" " thickness in Engine and Boiler space			SIDE STRINGER Angles (On)	5	4
" " Remainder in Holds			" " Bulb or Intercoastal Plate for lng.		
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5	3	" " Attached to outside plating with Angle		
" " Angles on Upper Edge			Main and Raised Quarter Deck Stringer Plate, breadth and thickness	50	5
" " Spacing	40	40	" " Angle on ditto	3 x 3	6
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb			" " Tie Plates, outside Hatchways	8	6
" " Angles on Upper Edge			" " Diagonal Tie Plates on Bms., No. of Pairs		
" " Spacing			" " Main Dk* Iron or Steel for lng.		
BEAMS, Hold, Plate or Tee Bulb			" " R. Q. Dk* Iron or Steel for lng.		
" " Angles on Upper Edge			" " Wood Deck, Material & thickness	3	3
" " Spacing			Lower Deck Stringer Plate, breadth and thickness		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb			" " Angles on ditto, No.		
" " Angles on Upper Edge			" " Tie Plates, outside Hatchways		
" " Spacing			" " Deck* Material and thickness		
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb			Hold Stringer Plate		
" " Angles on Upper Edge			" " Angles on ditto, No.		
" " Spacing			Poop Deck Stringer Plate, breadth & thickness		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	" " Angle on ditto		
" " Angles on Upper Edge			" " Tie Plates		
" " Spacing	40	40	" " Deck, Material and thickness		
PILLARS, In 'tween Decks, Size and Spacing			Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness		
" " Hold	2 1/2	As arranged	" " Angle on ditto		
" " Quarter, 'tween Dks., "			" " Tie Plates		
" " in Hold			" " Deck, Material and thickness		
WEB FRAMES, In Fore Body, No. and Spacing			Forecastle Deck Stringer Plate, brdth & thcknss		
" " Brdth. & Thickness			" " Angle on ditto	3 x 3	6
" " No. of Side Stringers			" " Tie Plates		
WEB FRAMES, In E. & B. Space, No. & Spacing			" " Deck, Material and thickness		
" " Brdth. & Thickness			BULKHEADS.		
WEB FRAMES, In After Body, No. and Spacing			Number.	Thickness.	STIFFENERS.
" " Brdth. & Thickness			In Vessel.	Per Rule.	Horizontal.
" " No. of Side Stringers					Vertical.
" " Size of Angles or Tee Bars to Web Frames					Single or Double Frames.
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness					Height up.



PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		SINGLE EDGES.		DOUBLE EDGES.		BUTTS.		SINGLE EDGES.		DOUBLE EDGES.		BUTTS.			
STRAKES.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	
Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	
FLAT PLATE KEEL	32	7	7	7	32	7	32	7	7	32	7	7	32	7	7	32	7	7	
Garboard of A Strake	32	7	7	7	32	7	32	7	7	32	7	7	32	7	7	32	7	7	
State actual thickness in way of Double Bottom.	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
State actual thickness in way of Double Bottom.	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
State actual thickness in way of Double Bottom.	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
State actual thickness in way of Double Bottom.	E	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
State actual thickness in way of Double Bottom.	F	31	8	7	7	31	8	7	7	31	8	7	7	31	8	7	7	7	
State actual thickness in way of Double Bottom.	G																		
State actual thickness in way of Double Bottom.	H																		
State actual thickness in way of Double Bottom.	I																		
State actual thickness in way of Double Bottom.	J																		
State actual thickness in way of Double Bottom.	K																		
State actual thickness in way of Double Bottom.	L																		
State actual thickness in way of Double Bottom.	M																		
State actual thickness in way of Double Bottom.	N																		
State actual thickness in way of Double Bottom.	O																		
State actual thickness in way of Double Bottom.	P																		
DOUBLING of Flat Plate Keel	✓																		
Length and thickness of Bilges	✓																		
Length and thickness of Sheerstrakes	✓																		
Length and thickness of Strake below	✓																		
POOP SIDES	✓																		
RAISED QUARTER DECK SIDES	✓	8		7		8													
BRIDGE SIDES	✓																		
FORECASTLE SIDES	✓			7															
LENGTHS OF PLATING	Sum from above																		
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.?										Main Stringer Plate Butts, riveted for full length amidship.									
South Durham S. & C., Framingham Conn.										Butts, single, double or overlapped for full length amidship.									
Has the Steel been tested as required by the Rules? Yes										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? J & D.									
										Inner Bottom Plating, riveting of Edges Butts									
										Centre Girder Butts, riveted. Keelson Butts, Treble riveted.									
										Frames, riveted through Plates with 2 in. Rivets, about 5 apart.									
										Rivets, state whether of Iron or Steel Iron.									
FRAMES extend in one length from Keel to Gunwale										state if ordinary or joggled Ordinary									
REVERSED FRAMES on floors and frames extend from across top of floor (single angle frame)										state if ordinary or joggled Ordinary									
MASTS, SPARS, &c.																			
LOWER MASTS. Fore P. Pine 42.0 13 Main Steel 30.9 12 Mizzen Steel 30.9 12																			
Bowsprit ✓																			
Topmasts, Main and Remainder of Spars Pitch Pine																			
Rigging, Material and Size, Shrouds Galvanized 3/4, 2 1/2																			
Sails, One Suit of Sails and the following spare sails																			
Equipment No. ✓ Letter ✓																			
ANCHORS. Tonnage U.D.K. or Plating No. for Trawlers 5010																			
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.																			
146 1st Bower 5 0 24 1 1 12 7 11 3 14 5 1 0 Rodgers The Vulcan Co. L.P.H. Chadley Heath																			
141 2nd " 4 2 8 1 0 20 7 0 0 0 4 3 0 " " 10-5-06 J.H. Dudley																			
131 3rd " 2 2 2 2 16 5 0 0 0 2 2 0 " " Do Do Do																			
Collective weight																			
Stream ✓																			
Kedge ✓																			
Approved + See Secretary's Letter 18-9-06																			
CHAIN CABLES.																			
Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length & Size per Table 22. Description. Makers of Cables. Where and when tested and Superintendent.																			
1808 90 1 18 24 46-1-145-3-17 90 1 Link The Vulcan Co. L.P.H. Chadley Heath																			
Iron Stream Chain or Steel Wire ✓																			
HAWERS AND WARPS.																			
Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length & Size per Table 22. Description. Makers of Cables. Where and when tested and Superintendent.																			
1808 90 1 18 24 46-1-145-3-17 90 1 Link The Vulcan Co. L.P.H. Chadley Heath																			
Iron Stream Chain or Steel Wire ✓																			
Boats One																			
Pumps, Number Four																			
Windlass is by Cochrane & Sons																			
Engine Room Skylights. How constructed? Iron																			
What arrangements for deadlights in bad weather? Iron shutters and leaden eyes.																			
Coal Bunker Openings. How constructed? Cast iron rings. How are lids secured? Screwed. Height above deck? 7 ft.																			
Number of Scuppers, and number and dimensions of Freeing Ports, &c. On each side 4 Scuppers, 4 Freeing Ports 18 x 9.																			
Ceiling in Holds, thickness and material 2" pine																			
Cargo Hatchways. How formed? Plates and angles																			
State size No. 1 Hatch (Forward) 2-10 x 2-10 No. 2 Hatch 2-0 x 2-10 No. 3 Hatch 2-10 x 2-10 No. 4 Hatch 2-10 x 2-10																			
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ✓																			
No. of Breasthooks Four No. of Crutches 14 dunnage																			
Bulwarks, height above deck and description 2-6 x 6-5																			
The above 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 to any correspondence connected with the case)

(M) 11-5-06, 18-9-06.

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, &amp;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? A few.

Are the butts of Plating, Stringers, &amp;c., properly shifted and strapped? Yes

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? Traversed State results of tests ✓

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

General Remarks (State quality of workmanship, &amp;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: Plans of Midship Section, Profiles and Decks, and Report on ships fittings.

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 6-5-5 ft., Bridge Dk. ✓ ft., F'castle 14-5 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 Dk.

Official No. 123586; Signal Letters ✓

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, ✓		
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. 1608

Date 15/5/06

No. 380 in builder's yard

Fees applied for, 29/10/1906

Special... 11:5: - Received by me, 31/10/1906

Travelling Expenses, if any £ 13:8

State whether the Vessel has been built under Special Survey Yes.

I am of opinion this Vessel should be Classed 100A1, Steam Sailing?

With, or without Freeboard, as condition of Class Without.

Committee's Minute

Character assigned

100A1 (S) 1st class

Lloyds A+C P + HMC 10.06