

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

IRON OR STEEL STEAMER.

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

Date of completion of Report 30th January 1906

Date, First Survey August 15th 1905

Port of Hull

Last Survey

January 23rd 1906

Rig Ketch.

No. 17511

Received at London Office, 31 JAN 1906

Survey held at Selly.

On the Steam Trawler "FORWARD."

"FORWARD."

ONE OR TWO DECKED VESSEL.

CLASS 100 A1 Steam Steamer.

Master Not yet appointed

Year of appointment

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

Built at Selly

When built 1906

Launched 14th Nov 1905

By whom built Cochrane & Sons

Owners Edward Cyril Grant

Managers

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

Residence Grimsby.

Port belonging to Grimsby.

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

TONNAGE under	230.74
Tonnage Deck...	
Do. of Poop	
Do. of Raised Qr.	13.61
Do. of Bridge House	
Do. of Forecastle	2.15
Do. of Houses on Deck	3.17
Do. of excess of Hatchways	
Do. above Crown of	
Engine Room ..	249.67
Gross Tonnage	23.34
Cargo Space	
above Crown of	
Engine Room ..	226.33
SPACE FOR FEES ..	
Engine Room	113.09
Navigation Spaces	9.62

Register Tonnage 104.62

Length on Deck as per Rule 125

BREADTH—Moulded 21

Feet. 11

DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 11

Feet. 6

No. of Decks with Flat laid One

No. of Tiers of Beams One

Dimensions of Ship per Register, Length, 127.0 breadth, 22-1 depth, 11.5 Moulded Depth, 12 ft. 4 ins. Round of Beam, Actual 6 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths per Rule Or as Approved.
FRAME, Angles, 7, E or L Bars, for length amidships	3	2 1/2	6	3	2 1/2	6
Do. for 1/2 at each end	3	2 1/2	6	3	2 1/2	6
Do. in way of Double Bottoms at Solid Floors ..						
at intermdt. Bkts.						
acing of Frames from centre to centre		20			20	
EVERSED FRAME, Angles	2 1/2	2 1/2	4	2 1/2	2 1/2	4
DEEP FRAMING, depth of girder						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16		6	16		6
in way of Engines and Boilers			7		7	
thickness at the ends of vessel			6		6	
depth at 3/4 the half breadth, as per Rule ..	Straight across plan.					
height extended at the Bilges						
FLOORS & BRACKETS, in Cell Dble Bottoms ..						
state if flanged (top & bottom) ..						
Spacing						
ENTRE GIRDER, in Double Bottom, depth and thickness						
Angles, Top						
Bottom						
IDE 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 ..	5	3	9	5	3	9
Angles on Upper Edge						
Spacing	40			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	5	3	8	5	3	8
Angles on Upper Edge						
Spacing	40			40		
PILLARS, In 'tween Decks, Size and Spacing ..						
Hold	2 1/2	As arranged.				
Quarter, 'tween Dks., ..						
in Hold						
WEB FRAMES, In Fore Body, No. and Spacing ..						
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.		Inches in Ship.		Inches per Rule. Or as Approved.									
Rule KEEL, Bar or Side Plates depth and thickness		$7\frac{1}{2} \times 1\frac{1}{8}$		$7\frac{1}{2} \times 1\frac{1}{8}$									
STEM, moulding and thickness.....		$7\frac{1}{2} \times 1\frac{1}{8}$		$7\frac{1}{2} \times 1\frac{1}{8}$									
STERN-POST for Rudder do. do.		6×3		6×3									
" for Propeller		$4\frac{1}{2}$		$4\frac{1}{2}$									
MAIN PIECE of Rudder, diameter at head....		$3\frac{1}{2} \times 3$		$3\frac{1}{2} \times 3$									
do. at heel													
RUDDER, how constructed <i>Forged iron frame, plated.</i>													
Can the Rudder be unshipped afloat? <i>Yes</i>													
KEELSONS AND STRINGERS.		Inches in Ship.		16ths in Ship.		Inches per Rule Or as Approved.		16ths per Rule Or as Approved.					
Rule CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		$7\frac{1}{2}$		7		$7\frac{1}{2}$		7					
" Rider Plate.....				✓									
" Bulb Plate to Intercoastal Keelson.....				✓									
" Horizontal Plates on Floors.....				✓									
" Angles.....		4 3		7 4 3		7							
SIDE KEELSON, Angles.....				✓									
" Bulb or Plate above floors for lng.				✓									
" Intercoastal Plate for length				✓									
" Attached to outside plating with Angle..				✓									
BILGE KEELSON, Angles ..(<i>Dm.</i>).....		5 4		8 5 4		8							
" Bulb or Plate above floors for lng.				✓									
" 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 ..(<i>Dm.</i>).....		5 4		8 5 4		8							
" Bulb or Intercoastal Plate for lng.				✓									
" Attached to outside plating with Angle				✓									
Main and Raised Quarter Deck Stringer Plate, breadth and thickness		50		5		50		5					
" Angle on ditto.....		3×3		6		3×3		6					
" Tie Plates, outside Hatchways		8		6		8		6					
" Diagonal Tie Plates on Bms., No. of Pairs		✓											
" Main Dk* Iron or Steel for lng.		✓											
" R. Q. Dk* Iron or Steel for <i>Stringer</i> lng.		✓											
" Wood Deck, Material & thickness <i>P.P.M.</i>		3		$2\frac{1}{2}$		3		$2\frac{1}{2}$					
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. Awning Deck Stringer Plate, } breadth and thickness.....		✓											
" Angle on ditto.....		✓											
" Tie Plates		✓											
" Deck, Material and thickness		✓											
Forecastle Deck Stringer Plate, brdth & thcknss ..		✓		5				5					
" Angle on ditto.....		3×3		6		3×3		6					
" Tie Plates <i>Deck plated over</i>				5				5					
" Deck, Material and thickness <i>P.P.M.</i>		3		3									
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.													
BULKHEADS.		Number.		Thickness.		STIFFENERS.				Single or Double Frames.		Height u	
		In Vessel.		Per Rule.		Horizontal.		Vertical.					
						Size. Spacing.		Size. Spacing.					
						Inches. Inches.		Inches. Inches.					
W.T. BULKHEADS		4		4		$3 \times 2\frac{1}{2} \times \frac{1}{4}$		$\frac{1}{4}$		48		20	
PARTITION "		✓											
LONGITUDINAL,,		✓											
Are the outside Plates doubled two spaces of Frames in length? <i>Diamond Plate</i>													
Are the Stanchion Valves and Watertight Doors in efficient working order? <i>Yes.</i>													

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.									
BULKHEADS.	Number.		Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
	In Vessel.	Per Rule.		Horizontal.		Vertical.			
				Size.	Spacing.	Size.	Spacing.		
BULKHEADS	4	4	4	3 x 2 1/2	7/16	48	30	Double	DN
PARTITION	✓								
LONGITUDINAL	✓								
Are the outside Plates doubled two spaces of Frames in length? Diamond Plating									
Are the Stanchions and Watertight Doors in efficient working order? Yes.									

PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.									
STRAKES.	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Double or Treble and for what Length.	RIVETS.		STRAITS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.						Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	Thickness.	
FLAT PLATE KEEL (If Bar Keel, state Riveting) GABBOARD or A Strake	32	8	7	7	32	8													
State actual thickness in way of Double Bottom.																			
B "		7	6	6		7		Double	4 1/2	3 3/4							5	Full	
C "		7	6	6		7		"	"	"							"	"	
D "		7	6	6		7		"	"	"							"	"	
E "		7	6	6		7		"	"	"							"	"	
Shur F "	31	8	7	7	31	8		"	"	"						9 1/4	9		
G "																			
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING of Flat Plate Keel																			
Length of Bilges																			
Length of Sheerstrakes																			
Length of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES		8			7														
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING	Run from spar.										Double								

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. Mild steel Don't Dullham & Co. Constn. Birmingham. Has the Steel been tested as required by the Rules Yes										Main Stringer Plate Butts, riveted for full length amidship. Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? T + D. Inner Bottom Plating, riveting of Edges Butts Centre Girder Butts, riveted. Keelson Butts, treble riveted. Frames, riveted through Plates with 2 1/2 in. Rivets, about 5 apart. Rivets, state whether of Iron or Steel Iron.									
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FRAMES extend in one length from Keel to gunwale . state if ordinary or joggled. Ordinary. REVERSED FRAMES on floors and frames extend from centre to deck and side stringers alternately . state if ordinary or joggled. Ordinary. in way of holds.									
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MASTS, SPARS, &c.									
LOWER MASTS...	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.
			At Partners.	Heel.	Hounds.		Head.	Number.	
Fore	P. Pine	41.0	14						
Main	Steel	29.0	12						
Mizen									
Bowsprit									
Topmasts, Yards and Remainder of Spars Pitch Pine. Rigging, Material and Size, Shrouds Scaled wire, 3/4", 2 1/2" . Stays 3/4", 2" . Sails. On . Suit of Sails and the following spare sails.									

Equipment No. 5458 Letter Scawler Tonnage U.D. or Plating No. for Travers 5458.																
Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.				lbs.		
28911	1st Bower	5	2	17	1	1	21	7	18	1	21	5	2	0	Rodgers	Wm. Lippin Sept 21-11-05. Penryn
28909	2nd "	5	0	7	1	1	7	7	2	0	5	0	0			
28910	3rd "	2	3	0		3	0	5	5	0	0	2	3	0		
	Collective weight															
	Stream															
	Kedge															

CHAIN CABLES.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.			Length, Diam.	Description.	Makers of Cables.	Where and when tested and Superintendent.
			Supplied.	Per Table 22.	Per Table 22.				
468	105 1 1/2	20 3/8	30 3/8	60 3/8	60 3/8	105 1 1/2	Steel	Wm. Lippin	4.12.05. J.H. Dudley

HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	Length, Cir.	Breaking Test of Steel Wire Towline.	Length, Cir.	Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.
	60 6		60 6		60 6	TOWLINE			
	60 4 1/2		60 4 1/2		60 4 1/2	HAWSERS & WARPS			

Boats On Pumps, Number Four Diameter of Barrel 6 - 4 State whether they are in efficient working order Yes Windlass is by Cochrane & Sons Capstan ✓ Engine Room Skylights.—How constructed? Seah What arrangements for deadlights in bad weather? Seah flaps and bullseyes. Coal Bunker Openings.—How constructed? Cast iron rings How are lids secured? Screwed Height above deck? Feet. Number of Scuppers, and number and dimensions of Freeing Ports, &c. on each side, 4 Scuppers, 3 Ports 18x9. Ceiling in Holds, thickness and material 2 Pine Cargo Battens, thickness and material ✓ Cargo Hatchways.—How formed? Plates and angles Hatches.—If strong and efficient? Yes State size No. 1 Hatch (Forward) 3-0 x 3-0 No. 2 Hatch 2 1/2 x 3-0 No. 3 Hatch 3-0 x 3-0 No. 4 Hatch 3-0 x 3-0 Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ✓ No. of Breasthooks Four No. of Crutches (and duplons) Bulwarks, height above deck and description 2-3 x 6-5 Main Rail and Stays, material and size 6 1/2 x 3 1/2 Steel B.A. The above is a correct description. Builder's Signature Cochrane & Sons Surveyor's Signature Allison B. Wilson Surveyor to Lloyd's Register of British and Foreign Shipping.									
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Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

14.7.05.

Workmanship. Are the butts of plating planed or otherwise fitted? **Yes.**

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)? **Scawler** State results of tests **✓**

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

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

This vessel has been built in accordance with the approved plans. The Secretary letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this Report, — Plan of Midship Section.

This is a sister vessel to the "Empress," Hull Report No. 14385.
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 **✓** ft., Bridge Dk. **✓** ft., F'castle **21.0** 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. **✓**; Signal Letters **✓** State if Machinery is fitted aft **Yes**

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.	Water Capacity.	Where fitted.	Length.	Water Capacity.
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,	✓	
(If necessary, furnish further information by sketch.)					
Total capacity ✓			State whether the above have been tested as required by the Rules ✓		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. **1514** Date **18/7/05** No. **355** in builder's yard.

Dates of Surveys held while building

1905: Aug 15, 18, 25 Sep 1, 7, 12, 15, 25, 29 Oct 10, 13, 20, 27, 30 Nov 6, 10, 13, 24, 27
 1906: Jan 3, 6, 13, 15, 18, 22, 23

Total No. of Visits **32**

The amount of Entry Fee **£ 2 - -** Fees applied for, **30/11/1906**
 Special **£ 11 - 6 -** Received by me, **1-2-1906**
 Travelling Expenses, if any **£ 1 - 3 - 2**

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

I am of opinion this Vessel should be Classed **100 A1 "Steam Scawler"**

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

Committee's Minute **FRI. 2 FEB 1906**

Character assigned **100 A1**
Scm Scawler

Lloyds 2460 **+ Lmb. 1.06**

Allison B. Wilson
 Surveyor to Lloyd's Register of British and Foreign Shipping.

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