

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

IRON OR STEEL STEAMER.

SORANUS WRECK
SECTION
No. 17834

Survey held at Selby.
On the Steam Trawler "ARIES".
Tonnage under Tonnage Deck... 230.44
Do. of Poop 13.61
Do. of Raised Qr. 2.15
Do. of Bridge House 3.17
Do. of Forecastle Break 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
Less Crew Space 226.33
Less above Crown of Engine Room... 114.94
TONNAGE FOR FEES 6.62
Less Engine Room
Less Navigation Spaces
Register Tonnage as cut on Beam... 102.77

State if Report is also sent on the Machinery of the Vessel *Gms. Rps.*
Date of completion of Report 27th April 1906
Date, First Survey Dec 12/05
Port of Hull
Last Survey April 20th 1906
Rig Ketch.
Master J. Firth.
Year of appointment (1) As master in service of owner of present vessel: 1906
(2) As master of this vessel: 1906

ONE OR TWO DECKED VESSEL.
CLASS 100 A Steam Trawler.
Half Breadth (moulded) 10.95
Depth from upper part of Keel to top of Main Deck Bms. 12.80
Girth of Half Midship Frame (as per Rule) 19.62
1st Number 43.37
Length on deck from after part of stem to fore part of stern post 125.79
2nd Number 54.55
Proportions—Breadths to Length 5.7
Depths to Length—Main Deck to top of Keel 9.8
Destined Voyage Fishing
If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Built at Selby
When built 1906 Launched 13th March
By whom built Cochrane & Sons.
Owners Gaimley & North Sea Steam Trawling Co. Ltd.
Managers
Residence Grimsby.
Port belonging to Grimsby.

Register Tonnage as cut on Beam ..		102.77		Destined Voyage <i>Fishing</i>		If Surveyed while Building, Afloat, or in Dry Dock <i>Yes</i>								
LENGTH on Deck as per Rule.....		Feet. 125	Inches. 9 1/2	BREADTH— Moulded.....		Feet. 21	Inches. 10 1/2	DEPTH, ACTUAL— Top of Floors to top of Main Deck Beams		Feet. 11	Inches. 6	No. of Decks with Flat laid No. of Tiers of Beams		One One
Dimensions of Ship per Register, Length, <i>124.0</i> breadth, <i>22.1</i> depth, <i>11.5</i> Moulded Depth, <i>12</i> ft. <i>4</i> ins. Round of Beam, Actual <i>6</i> ins.														
FRAMING.														
FRAME, Angles, <i>7, E or L Bars</i> , for 1/2 length amidships		4	3	7	4	3	7	FORGINGS AND CASTINGS.						
Do. for 1/2 at each end		4	3	7	4	3	7	KEEL, Bar or <i>Side</i> Plates depth and thickness <i>Rule</i> <i>Y 1/2 x 1 5/8</i> <i>Y 1/2 x 1 5/8</i>						
Do. in way of Double Bottoms at Solid Floors..								STEM, moulding and thickness. (<i>Rule Plate</i>) <i>Y 1/2 x 1 5/8</i> <i>Y 1/2 x 1 5/8</i>						
" " at intermdt. Bkts.								STERN-POST for Rudder do. do. <i>7 + 3</i> <i>7 x 3</i>						
Spacing of Frames from centre to centre								" for Propeller						
REVERSED FRAME, Angles (<i>In floor only</i>)		2 1/2	2 1/2	4	2 1/2	2 1/2	4	MAIN PIECE of Rudder, diameter at head.... <i>4 1/2</i> <i>4 1/2</i>						
DEEP FRAMING, depth of girder (<i>Angle only</i>)		4						do. at heel <i>3 3/4 x 3</i> <i>3 1/2 x 3</i>						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships		16		6	16		6	RUDDER, how constructed <i>Forged iron frame, plated.</i>						
" in way of Engines and Boilers				7			7	Can the Rudder be unshipped afloat? <i>Yes.</i>						
" thickness at the ends of vessel				6			6	KEELSONS AND STRINGERS.						
" depth at 1/2 the half breadth, as per Rule ..		<i>Straight across</i>						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate) <i>Y 1/2</i> <i>7</i> <i>7 1/2</i> <i>7</i>						
" height extended at the Bilges		<i>Rule</i>						" Rider Plate.....						
FLOORS & BRACKETS, in Cell Dble Bottoms								" Bulb Plate to Intercoastal Keelson.....						
" " state if flanged (top & bottom)								" Horizontal Plates on Floors						
" " Spacing								" Angles						
CENTRE GIRDER, in Double Bottom, depth and thickness								SIDE KEELSON, Angles.....						
" " Angles, Top								" Bulb or Plate above floors for lng.						
" " Bottom								" Intercoastal Plate for length						
SIDE GIRDERS, number on each side & thickness								" Attached to outside plating with Angle..						
" " state if flanged (top & bottom)								BILGE KEELSON, Angles. (<i>Ans.</i>).....						
" " Angles								" Bulb or Plate above floors for lng.						
MARGIN PLATE, depth (exclusive of flange) and thickness								" Intercoastal Plate for length						
" Angles to Outside Plating								" Attached to outside plating with Angle..						
" Floors								BILGE STRINGER Angles						
" Height of Floors at the Bilges.....								" Bulb Plate for length						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake)								" Intercoastal Plate for length						
" " thickness in Engine and Boiler space								" Attached to outside plating with Angle						
" " Remainder in Holds.....								SIDE STRINGER Angles (<i>Ans.</i>).....						
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb)		5	3	9	5	3	9	" Bulb or Intercoastal Plate for lng.						
" Angles on Upper Edge								" Attached to outside plating with Angle						
" Spacing		40						Main and Raised Quarter Deck Stringer) Plate, breadth and thickness						
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb								" Angle on ditto.....						
" Angles on Upper Edge.....								" Tie Plates, outside Hatchways						
" Spacing								" Diagonal Tie Plates on Bms., No. of Pairs						
BEAMS, Hold, Plate or Tee Bulb								" Main Dk* Iron or Steel for lng.						
" Angles on Upper Edge								" R. Q. Dk* Iron or Steel for <i>Machinery</i> <i>Space</i> lng.						
" Spacing								" Wood Deck, Material & thickness <i>P.Pine</i>						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb								Lower Deck Stringer Plate, breadth and thickness						
" Angles on Upper Edge								" Angles on ditto, No.						
" Spacing								" Tie Plates, outside Hatchways.....						
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb....)								" Deck* Material and thickness						
" Angles on Upper Edge								Hold Stringer Plate						
" Spacing								" Angles on ditto, No.						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		5	3	8	5	3	8	Poop Deck Stringer Plate, breadth & thickness						
" Angles on Upper Edge								" Angle on ditto.....						
" Spacing		40						" Tie Plates						
PILLARS, In 'tween Decks, Size and Spacing								" Deck, Material and thickness						
" " Hold		2 1/2						Forecastle Deck Stringer Plate, brdth & thcknss						
" " Quarter, 'tween Dks., " "								" Angle on ditto.....						
" " in Hold								" Tie Plates <i>Deck, plated over</i>						
WEB FRAMES, In Fore Body, No. and Spacing								" Deck, Material and thickness <i>P.Pine</i>						
" " Brdth. & Thickness								* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.						
" " No. of Side Stringers " "								BULKHEADS.						
WEB FRAMES, In E. & B. Space, No. & Spacing								Number. Thickness. STIFFENERS.						
" " Brdth. & Thickness								In Vessel. Per Rule. Horizontal. Vertical.						
WEB FRAMES, In After Body, No. and Spacing								Size. Spacing. Size. Spacing						
" " Brdth. & Thickness								Inches. Inches. Inches. Inches.						
" " No. of Side Stringers " "								W.T. BULKHEADS 4 4 4 3 x 2 1/2 x 5 1/2 48 30 Single Pl.						
" " Size of Angles or Tee Bars to Web Frames								PARTITION " "						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness								LONGITUDINAL, " "						

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		SEAM EDGES. Ordinary or Joggled?				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL.....	32	8	7	7	32	8			1	5									
(If Bar Keel, state Riveting)																			
GARBOARD 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	3/4	3 3/4	Full	3/4	2 5/8	9 3/4	8		5	Full	
C "		7	6	6		7													
D "		7	6	6		7													
E "		7	6	6		7													
Sheer F "	31	8	7	7	31	8									9 3/4	9			
G "																			
H "																			
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																			
RAISED QUARTER DECK SIDES		8		7															
BRIDGE SIDES																			
FORECASTLE SIDES				5															
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. ? Mild steel.
South Durham S. & G. Co., Consett, T. J. Roddingham.

Has the Steel been tested as required by the Rules Yes.

Main Stringer Plate { Butts, treble 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? 3 & D.

Inner Bottom Plating, riveting of Edges Butts

Centre Girder 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.

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 floors (Deep angle frames) state if ordinary or joggled Ordinary

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....											
Fore	P. Pine	44-0	14								
Main											
Mizen	Steel	29-0	12								
Bowsprit <u>✓</u>											
Topmasts, Yards and Remainder of Spars <u>Pitch pine</u>											
Rigging, Material and Size, Shrouds <u>Sisal wire, 3 1/2, 2 1/2</u>											
Sails. <u>One</u> Suit of											
Sails and the following spare sails <u>✓</u>											

Equipment No. ✓ Letter ✓ Tonnage U.D.K. or Plating No. for Trawlers 5455.

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.	Cwts.	qrs.			
29154	1st Bower ..	5	2	6	1	1	21	7	16	1	0	5	2	0	Rodgers	L.R.H.
29156	2nd " ..	5	0	18	1	1	6	7	9	2	21	5	0	0	"	"
29155	3rd " ..	2	3	4	-	2	24	5	5	0	0	2	3	0	"	"
	Collective weight															"
	Stream <u>✓</u>															"
	Kedge <u>✓</u>															"

CHAIN CABLES.										HAWSERS 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.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.		
	Length.	Diam.		Supplied.	Per Table 22.	Length.	Diam.	Length.	Cir.					Length.	Cir.				
680	105	1 1/2	20 3/16	30 7/16	61-2-9	60-2-18	105	1 1/2	Steel Sink	Wm. Griffin	L.R.H. Grady Heath	TOWLINE	60	6	60	6			
											24-1-06, Dudley.	HAWSERS & WARPS	60	4 1/2	60	4 1/2			
												Manilla							

Boats One.

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

Windlass is by Cochran & Sons Capstan ✓

Engine Room Skylights.—How constructed? Leak

What arrangements for deadlights in bad weather? Leak flaps and bullseyes.

Coal Bunker Openings.—How constructed? Cast iron rings How are lids secured? Secured Height above deck? Flush

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 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 2-6 x 3-0. No. 3 Hatch 3-0 x 3-0. No. 4 Hatch 3-6 x 3-0.

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ✓ No. 5 " 3-0 x 3-0.

Bulwarks, height above deck and description 2-3 x 4-5 No. of Breasthooks Four No. of Crutches Over deck floors

The above is a correct description. Bochman & Sons Main Rail and Stays, material and size 6 1/2 x 3 1/2 Steel B.A.

Builder's Signature (here only). Bochman & Sons Surveyor's Signature Allison B. Wilson

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

M. 20-11-05.
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)? Trawler State results of tests. ✓
Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Trawler 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's letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this report, Plans of Midship Section, Profile and Decks, and Report on Ships forgings.

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 12 ft., Bridge Dk. ✓ 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 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. 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, ✓		
Total capacity ✓			(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. 1549
Date 22/11/05
No. 363 in builder's yard.
DATES of Surveys held while building { 1905:- Dec. 12. 19. 22, 1906:- Jan. 12. 17. 23. 26. 31. Feb. 6. 10. 16. 22. 28. Mar. 9. 13. 26. Apr. 3. 20
Total No. of Visits 19

The amount of Entry Fee£ 2 : : : Fees applied for, 27/4/1906
Special£ 11 : 6 : : Received by me, 1/5/06
Typewriting Expenses, if any £ : : 17 : 4

Certificate to be sent to Hull

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.

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

Committee's Minute FRL 18 MAY 1906
Character assigned 100 A1 (SL)
Steam Trawler

Lloyd's at CP + time 4.06

