

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 *March 5th 1906.*

Date, First Survey *Oct. 20/05*

Port of Hull

Last Survey

Feb. 28th 1906

Rig *Ketch.*

No. *17605*

WEL 7 MAR 1906

Survey held at *Selly.*

On the *Steam Trawler "NORTHWARD."*

TONNAGE under Tonnage Deck	<i>189.43</i>
Do. of Poop	
Do. of Raised Or Dk. or Break.	<i>12.09</i>
Do. of Bridge House	
Do. of Forecastle	<i>1.85</i>
Do. of Houses on Deck	<i>.57</i>
Do. of excess of Hatchways	
Do. above Crown of Engine Room	
Gross Tonnage	<i>204.24</i>
Less Crew Space	<i>26.89</i>
Less above Crown of Engine Room	
TONNAGE FOR FEES	<i>177.35</i>
Less Engine Room	<i>108.50</i>
Less Navigation Spaces	<i>5.39</i>

Register Tonnage as cut on Beam *63.46*

ONE OR TWO DECKED VESSEL.

CLASS *100 A1 Steam Trawler.*

Half Breadth (moulded)	<i>10.40</i>
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	<i>12.71</i>
Girth of Half Midship Frame (as per Rule)	<i>18.83</i>
1st Number	<i>42.24</i>
Length on deck from after part of stem to fore part of stern post	<i>115.83</i>
2nd Number	<i>4892</i>
Proportions—Breadths to Length	<i>5.4</i>
Depths to Length—Main Deck to top of Keel	<i>9.1</i>
Destined Voyage	<i>Fishing</i>

Master *✓*

Year of appointment

Built at *Selly.*

When built *1906* Launched *28th Dec-05*

By whom built *Cochran & Sons.*

Owners *Forward Steam Fishing Co. Ltd.*

Managers

Residence *Grimsby.*

Port belonging to *Grimsby.*

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

LENGTH on Deck as per Rule	Feet. <i>115</i>	Inches. <i>10</i>	BREADTH—Moulded	Feet. <i>21</i>	Inches. <i>4 1/2</i>	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet. <i>11</i>	Inches. <i>6</i>	No. of Decks with Flat laid	<i>One</i>	No. of Tiers of Beams	<i>One</i>
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Dimensions of Ship per Register, Length, *117.0* breadth, *21.6* depth, *11.52* Moulded Depth, *12 ft. 3 ins.* Round of Beam, Actual *7 ins.*

FRAMING.

FRAME, Angles, <i>7, E or L</i> Bars, for $\frac{1}{2}$ length amidships	<i>4</i>	<i>3</i>	<i>8 1/2</i>	<i>4</i>	<i>3</i>	<i>8 1/2</i>
Do. for $\frac{1}{2}$ at each end						
Do. in way of Double Bottoms at Solid Floors						
Spacing of Frames from centre to centre			<i>20</i>			<i>20</i>
REVERSED FRAME, Angles <i>On floors</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>4</i>	<i>2 1/2</i>	<i>2 1/2</i>	<i>4</i>
DEEP FRAMING, depth of girder			<i>4</i>			<i>4</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>16</i>		<i>6</i>	<i>16</i>		<i>6</i>
in way of Engines and Boilers			<i>7</i>			<i>7</i>
thickness at the ends of vessel			<i>5</i>			<i>5</i>
depth at $\frac{1}{2}$ the half breadth, as per Rule			<i>Straight across</i>			<i>plan.</i>
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	<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>	<i>8</i>
Angles on Upper Edge						
Spacing			<i>40</i>			<i>40</i>
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	<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>	<i>8</i>
Angles on Upper Edge						
Spacing			<i>40</i>			<i>40</i>
PILLARS, In 'tween Decks, Size and Spacing						
Hold			<i>2 1/2</i>			<i>As arranged.</i>
Quarter, 'tween Dks.						
in Hold						
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	$4\frac{1}{2} \times 1\frac{5}{8}$	$7\frac{1}{2} \times 1\frac{5}{8}$
STEM , moulding and thickness	$7\frac{1}{2} \times 1\frac{5}{8}$	$7\frac{1}{2} \times 1\frac{5}{8}$
STERN-POST for Rudder do. do.	$6\frac{1}{2} \times 2\frac{1}{2}$	$6\frac{1}{2} \times 2\frac{1}{2}$
” for Propeller	$4\frac{1}{2}$	$4\frac{1}{2}$
MAIN PIECE of Rudder , diameter at head.	$2\frac{3}{4} \times 2\frac{1}{2}$	$2\frac{3}{4} \times 2\frac{1}{2}$
do. at heel		
RUDDER , how constructed	Forged iron frame, plated.	
Can the Rudder be unshipped afloat?	Yes	

KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or a	Inches per Rule s Appro	16ths per Rule ved.
CENTRE LINE KEELSON , Vertical Plate above floors, Through Plate, or Intercostal Plate)	$7\frac{1}{2}$		$7\frac{1}{2}$			7
” Rider Plate.....		✓				
” Bulb Plate to Intercostal Keelson.....		✓				
” Horizontal Plates on Floors.....		✓				
” Angles.....	4	3	7	4	3	7
SIDE KEELSON , Angles.....		✓				
” Bulb or Plate above floors for lng.		✓				
” Intercostal Plate for length		✓				
” Attached to outside plating with Angle..		✓				
BILGE KEELSON , Angles.....	5	4	8	5	4	8
” Bulb or Plate above floors for lng.		✓				
” Intercostal Plate for length		✓				
” Attached to outside plating with Angle..		✓				
BILGE STRINGER Angles.....		✓				
” Bulb Plate for. length		✓				
” Intercostal Plate for length		✓				
” Attached to outside plating with Angle		✓				
SIDE STRINGER Angles.....	5	4	8	5	4	8
” Bulb or Intercostal Plate for lng.		✓				
” Attached to outside plating with Angle		✓				

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>50</i>	<i>5</i>	<i>50</i>	<i>5</i>
Angle on ditto	<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>
Tie Plates, outside Hatchways	<i>8</i>	<i>6</i>	<i>8</i>	<i>6</i>
Diagonal Tie Plates on Bms., No. of Pairs				
Main Dk* Iron or Steel for lng.				
R. Q. Dk* Iron or Steel for lng.			<i>3/16</i>	<i>3/16</i>
Wood Deck, Material & thickness <i>P.P. in</i>	<i>3</i>		<i>3</i>	
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			<i>5</i>	<i>5</i>
Angle on ditto	<i>3 x 3</i>	<i>6</i>	<i>3 x 3</i>	<i>6</i>
Tie Plates <i>Deck plated over</i>			<i>5</i>	<i>5</i>
Deck, Material and thickness <i>P.P. in</i>	<i>3</i>		<i>3</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.	16ths in Ship.	Horizontal. Size. Spacing. Vertical. Size. Spacing.		
W.T. BULKHEADS	<i>4</i>	<i>4</i>	<i>3 x 2 1/2 x 7/16</i>	<i>30</i>	<i>Amph Dk</i>
PARTITION					
LONGITUDINAL					

Are the outside Plates doubled two spaces of Frames in length? *Diamond plate fitted*

Are the Stairs Valves and Watertight Doors in efficient working order? *Yes.*

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		RIVETING.									
							EDGES.					BUTTS.				
FLAT PLATE KEEL	32	8	7	7	32	8	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
GARBOARD OR A STRAKE	B	7	6	6	7	7	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
C	7	6	6	6	7	7	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
D	7	6	6	6	7	7	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
E	7	6	6	6	7	7	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
F	7	6	6	6	7	7	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
G	30	8	7	7	30	8	Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
H							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
J							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
K							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
L							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
M							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
N							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
O							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
P							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
DOUBLING OF FLAT PLATE KEEL							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
Length and thickness of Bilges							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
Length and thickness of Sheerstrakes							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
Length and thickness of Strake below							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
POOP SIDES							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
RAISED QUARTER DECK SIDES							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
BRIDGE SIDES							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
FORECASTLE SIDES							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	
LENGTHS OF PLATING							Double	4 1/2	2 1/4	3 3/4	Full	2 1/4	2 5/8	9 1/2	9	

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*

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

FRAMES extend in one length from *keel* to *gunwale*. state if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend *from keel across top of floors*. state if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.

LOWER MASTS	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Pine	39-0	14							
Main	Steel	30-0	12							
Mizen										

Bowsprit *Yes*

Topmasts, *Fore and Main* and Remainder of *Spars* *Pitch pine*

Rigging, Material and Size, *Shrouds* *Salv' wire 3/4, 2 1/4*

Sails, *One* Suit of Sails and the following spare sails *Stays* *Salv' wire 3/4, 2 1/4*

Equipment No. *4892* Letter *Travellers*

ANCHORS. *Tonnage U.D. or Plating No. for Travellers 4892.*

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.			
54954	1st Bower	5	2	0	1	2	6	7	16	1	0	5	0	0	Rodgers	June & Sons, Ltd., 25-1-06
55876	2nd "	4	0	2	1	0	5	6	12	2	0	4	2	0	"	"
55875	3rd "	2	2	2	4	2	2	5	5	0	0	2	2	0	"	"

Collective weight

Stream

Kedge

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Twisting.	Length and size per Table 22.	
	Length.	Diam.		Supplied.	Per Table 22.					Length.	Diam.		Length.	Cir.
734	90	1 1/8	18	27	46-2-17	45-3-17	90	1	Steel	60	5 1/2	60	5 1/2	

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Twisting.	Length and size per Table 22.	
	Length.	Diam.		Supplied.	Per Table 22.					Length.	Diam.		Length.	Cir.
734	90	1 1/8	18	27	46-2-17	45-3-17	90	1	Steel	60	5 1/2	60	5 1/2	

Boats *One*

Pumps, Number *Three*. Diameter of Barrel *6* *in*. State whether they are in efficient working order *Yes*

Windlass is by *Cochrane & Sons*. Capstan *Yes*

Engine Room Skylights.—How constructed? *Leak*

What arrangements for deadlights in bad weather? *Leak flaps and bulwarks*

Coal Bunker Openings.—How constructed? *Plating and angles* How are lids secured? *Balltimed down and secured* Height above deck? *6* and *flange*

Number of **Scuppers**, and number and dimensions of **Freeing Ports**, &c. *On each side, 6 scuppers, 4 freeing ports, 18 x 9*

Ceiling in Holds, thickness and material *2" pine* Cargo Battsens, thickness and material *2" pine*

Cargo Hatchways.—How formed? *Plating and angles* Hatches. If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *5-4 x 3-4* No. 2 Hatch *3-4 x 3-4* No. 3 Hatch *3-4 x 3-4* No. 4 Hatch *3-4 x 3-4*

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

Bulwarks, height above deck and description *2-6 x 4-5* Main Rail and Stays, material and size *1/2 x 3/4 Steel B.A.*

The above is a correct description. *Cochrane & Sons* Surveyor's Signature *Allison B. Wilson*

Builder's Signature (here only) *Cochrane & Sons* 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. 17-10-05, 23-2-06.

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, &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, &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, &c.) *Workmanship good.*

This vessel has been built in accordance with the approved plans. The Secretary's letter of the above date, 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 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 *61-0* ft., Bridge Dk. *✓* ft., F'castle *19-5* 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. *✓*; Signal Letters *✓* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Potential 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,	<i>✓</i>		Fore peak tank,	<i>✓</i>	
Double bottom, under Engines and Boilers,	<i>✓</i>		After peak tank,	<i>✓</i>	
Double bottom, if under Engines only,	<i>✓</i>		Deep tank, aft	<i>✓</i>	
Double bottom, if under Boilers only,	<i>✓</i>		Deep tank, forward	<i>✓</i>	
Double bottom, forward,	<i>✓</i>		Other tanks, if fitted,	<i>✓</i>	

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. *1529* Date *19/10/05*

No. *357* in builder's yard

Dates of Surveys held while building *1905: Oct 20, 27, 30. Nov 6, 10, 13, 24, 27, 30. Dec 7, 12, 19, 22. 1906: Jan 1, 12, 17.*

The amount of Entry Fee *£ 1 - - -* Fees applied for, *5/3/1906*

Special *£ 8 - 17 - -* Received by me, *7/3/1906*

Travelling 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 Traverser*

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 *FRI. 9 MAR 1906*

Character assigned *100 A1 Steam Traverser*

Lloyds 4860 W + L.M.C. 206

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