

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

AND
IRON OR STEEL STEAMER.

12948
THURS. 17 JULY 1894

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

Date of completion of Report 15th May
Date First Survey Feb 27th

Port of Glasgow
Last Survey May 10th 1894
Rig Ketch

No. 12948 Survey held at
On the Screw Steam Trawler "Envy"

TONNAGE under
Tonnage Deck... 144.574
Do. of Poop 3.574
Do. of Raised Qr. Dk. or Break... 1.73
Do. of Bridge House 1.73
Do. of Forecastle 1.73
Do. of Houses on Deck 1.73
Do. of excess of Hatchways 1.73
Do. above Crown of Engine Room... 6.38
Gross Tonnage 1156.19
Less Crew Space 11.52
Less above Crown of Engine Room... 6.38
TONNAGE FOR FEES... 138.29
Less Engine Room 84.42
Less Navigation Spaces 1.59
Register Tonnage as cut on Beam... 58.26

ONE OR TWO DECKED VESSEL.

CLASS 100A.1.

FEET.

Half Breadth (moulded) 10.2
Depth from upper part of Keel to top of Main Deck Bms. 12.0
Girth of Half Midship Frame (as per Rule) 17.8
1st Number 40.0
Length 102.33
2nd Number 4093.2
Proportions—Breadths to Length 5.07
Depths to Length—Main Deck to top of Keel 8.5
Destined Voyage Fishing

Master W. J. Appointed
Year of appointment (1) As master in service of owner of present vessel:—18 (2) As master of this vessel:—18
Built at Glasgow
When built 1894 Launched 2nd May
By whom built Mackie & Thomson
Owners Great Northern Steam Ship
Managers Fishing Co Ltd
Residence Hull
Port belonging to Hull

LENGTH on Deck Feet. Inches. 102 4
as per Rule... 102 4
BREADTH—Feet. Inches. 30 4 3/4
Moulded... 30 4 3/4
DEPTH—Feet. Inches. 10 11
Top of Floors to Main Deck Beams... 10 11
Power of Engines 45
Horse. 45
No. of Decks with Flat laid 1
No. of Tiers of Beams 1

Dimensions of Ship per Register, Length, 103.7 breadth, 20.5 depth, 10.7. Moulded Depth, ft. 11 ins. 7. Round of Beam 8 inches.

FRAMING.		Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths in Ship.	Inches per Rule Or as Approved.	16ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, Bars, for 2 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.										
Distance of Frames from moulding edge to moulding edge, all fore and aft		21			21					
REVERSED 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 2 length amidships		16		5	16		5			
in way of Engines and Boilers				6			6			
thickness at the ends of vessel				5			5			
depth at 2/3 the half breadth, as per Rule										
height extended at the Bilges										
FLOORS & BRACKETS, in Cell Dble Bottoms										
Distance apart										
CENTRE GIRDER, in Double Bottom, depth and thickness										
Angles, Top										
Bottom										
SIDE GIRDERS, number and thickness										
Angles										
MARGIN PLATE, depth (exclusive of flange) and thickness										
Angles										
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 1/2	3	7	5 1/2	3	7			
Angles on Upper Edge										
Average space				42			42			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Average space										
BEAMS, Hold, Plate or Tee Bulb										
Angles on Upper Edge										
Average space										
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Average space										
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Average space										
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Average space										
PILLARS, In 'tween Decks, Size and Spacing		2 1/2	42		2 1/2	42				
Hold										
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.		Inches in Ship.	Inches per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness		7 1/2 x 1 1/8	7 1/2 x 1 1/8
STEM, moulding and thickness		7 1/2 x 1 1/8	7 1/2 x 1 1/8
STERN-POST for Rudder do. do.		6 1/2 x 2 1/2	6 1/2 x 2 1/2
for Propeller		6 1/2 x 2 1/2	6 1/2 x 2 1/2
MAIN PIECE of Rudder, diameter at head		3 1/2	3 1/2
do. at heel		2 1/2	2 1/2

RUDDER, how constructed Frame forged & plated
Can the Rudder be unshipped afloat? Yes

KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths in Ship.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		8		8 1/6	8		8 1/6	
Bulb Plate								
Bulb Plate to Intercoastal Keelson								
Horizontal Plates on Floors		4	3	7	4	3	7	
Angles								
SIDE KEELSON, Angles								
Bulb or Plate above floors for lng.								
Intercoastal Plate for length								
Attached to outside plating with Angle								
BILGE KEELSON, Angles		5	4	8	5	4	8	
Bulb or Plate above floors for len.								
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 Angle		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		24	6	24	6
Angle on ditto		3 x 3 x 6	3 x 3 x 6		
Tie Plates fore & aft, outside Hatchways		8	6	8	6
Diagonal Tie Plates on Bms., No. of Pairs					
Main Dk* Iron or Steel for In way of 54 B openings					5
R. Q. Dk* Iron or Steel for lng.					
Wood Deck, Material & thickness P. Pine		3 1/4		3 1/4	
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 Deck Stringer Plate brdth & thickness					
Angle on ditto					
Tie Plates					
Deck, Material and thickness					
Forecastle Deck Stringer Plate, brdth & thickness					
Angle on ditto					
Tie Plates					
Deck, Material and thickness					

BULKHEADS.		Number.	Thickness.	STIFFENERS.			Single or Double Frames.	Height up.
		In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing.		
			16ths on 90 lbs.	Inches.	Inches.	Inches.		
W.T. BULKHEADS		2	3	4	3 x 2 1/2 x 7/16	3 x 2 1/2 x 5/16	30	On 6 Dk
PARTITION								
LONGITUDINAL					5/16	3 x 2 1/2 x 5/16	Vertical Stiffeners	
in Tank							21" apart	
Are the outside Plates doubled two spaces of Frames in length?							Yes	

PLATING.

RIVETING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				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.	
	Inches.	16ths of an Inch.	16ths of an Inch.	16ths of an Inch.	Inches.	16ths of an Inch.			Inches.	Inches.		Inches.	Inches.	Inches.	16ths of an Inch.	Inches.	Feet.	
FLAT PLATE KEEL..... (If Bar Keel, state Riveting)							Double		1	5	✓							
GARBOARD OR A Strake	50	7	7	7	50	7	do	4 1/2	3/4	3	Double	3/4	2 5/8	9 3/4	8			
State actual thickness in way of Double Bottom.	B " from	50	6	5	5	50	6	Single	2 1/2	3/4	3	Double for 3/5	5/8	2 1/4	11 3/4	7	6 8 x 9 6	
C " do.	48	7	6	6	48	7	do	2 1/2	3/4	3	do	3/4	2 5/8	14 1/4	9	6 8 x 9 6		
D " do.	48	6	5	5	48	6	Double	4 1/2	3/4	3	Double	5/8	2 1/4	8	7	6 8 x 9 6		
E " do.	49	8	6	6	49	8	Double	4 1/2	3/4	3	Double	3/4	2 5/8	14 1/4	9	6 14 1/4 x 7 1/4		
F " ...																		
G " ...																		
H " ...																		
J " ...																		
K " ...																		
L " ...																		
M " ...																		
N " ...																		
O " ...																		
P " ...																		
DOUBLING of Flat Plate Keel																		
Length and thickness {	of Bilges																	
	of Sheerstrakes..																	
	of Strake below																	
POOP SIDES																		
RAISED QUARTER DK. SIDES		4				4												
BRIDGE SIDES																		
FORECASTLE SIDES																		
LENGTHS OF PLATING.....	Frame spaces																	

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, ~~double~~^{double} riveted for whole length amidship.
Straps, single, double or overlapped for 1 length amidship

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?

Inner Bottom Plating, riveting of Edges Butts

Centre Girder Butts, riveted. **Keelson Butts,** riveted.

Frames. riveted through Plates with 5/8 in. Rivets about 4 1/2 apart.

Rivets, state whether of Iron or Steel Iron

FRAMES extend in one length from Keel to deck

REVERSED FRAMES on floors and frames extend from middle line to deck & blyz alternately. Double from blyz to blyz in Angle & Boiler space.

MASTS, SPARS, &c.

		DIAMETER AND THICKNESS.					No. of Plates in round.	ANGLES.		RIVETING.		
		Material.	Total length.	At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore	P. Pine	57.6	13	"	11½	"	1	—	—	—	—
	Main	Steel	36.0	"	"	9½	9	2	—	—	Single	Double
	Mizen.....											
Bowsprit												
Topmasts, Yards and Remainder of Spars												
Rigging, Material and Size, Shrouds		Steel Wire	2½					Stays	Fore ¾	Main ¾		
Sails.		One	Suit of					Sails and the following spare sails				

EQUIPMENT No. ✓ LETTER ✓ TONNAGE FOR TRAWLERS 144.52 U.Dk.
ANCHORS:

[illegible]

CHAIN CABLES.

HAWSERS AND WARPS.

[illegible]

Boats

Pumps. Number *One in Rock & One in Peak* Diameter of Barrel and Tail Pipe *4" x 2*

Windlass is *Robinson's Patent* **Capstan**

Engine Room Skylights.—How constructed? *Leak on iron Casings*

What arrangements for deadlights in bad weather? *Leak shutters with bulls eyes*

Coal Bunker Openings.—How constructed? *Cast iron* How are lids secured? *Bayonet fitting* Height above deck? *Flush*

Number of **Scuppers**, and number and dimensions of **Freeing Ports**, &c. *2 Scuppers & 3 ports 20x12 on each side*

Ceiling in Holds, thickness and material 2" Red Pine

Cargo Hatchways.—How formed? *By plate samples* **Hatches.**—If strong and efficient? *Yes 2 1/2*

State size No. 1 Hatch (Forward) 2' 3" x 2' 3" x 10" No. 2 Hatch 3' 3" x 2' 6" x 10" No. 3 Hatch 3' 6" x 4' 0" x 10" No. 4 Hatch

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

No. of Breasthooks..... 4

No. of Crutches *Three*

Bulwarks. height above deck and description 2. 6. Steel 1

Main Rail, material and size

The above is a correct description.

Surveyor's Signature *Thomas Warren*
Surveyor to Lloyd's Register of British and Foreign Shipping.

Builder's Signature (here only.) *MacRie & Thomas*

12948 GLS
Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

M 23/12/93

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

to plate, &c, conform well to each other?

Yes

Do the holes for riveting plate to frames, butt straps, or plate

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

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

The workmanship throughout is good. The vessel has been built in accordance with the approved plans, the Secretaries letter referred to above, and in general conformity with the requirements of the Rules.

The hand pumps & watertight door have been tested & found to work

This is a sister vessel to Express Endeavour, Expert & Explorer.
Its report Nos. 12837, 12891, 12892 & 12893

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 17.5 ft., Bridge Dk.ft., Forecastle 16.5 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)

100A1

Official No.; Signal Letters

How are the surfaces preserved from oxidation? Inside

Cement & paint

Outside

paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—	—	Fore peak tank,	—	—
Double bottom, forward,	—	—	After peak tank,	—	—
Double bottom, under Engines and Boilers,	—	—	Midship deep tank, forward	14	25
Double bottom, if under Engines only,	—	—	Other tanks, if fitted,	—	—
Double bottom, if under Boilers only,	—	—	(If necessary, furnish further information by sketch.)	—	—

State whether the above have been tested as required by the Rules

Yes

Order for Special Survey No. 2444

Date 26 Dec 1893

Order for Ordinary Survey No.

Date

No. 86 in builder's yard

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented ...
- 5th. After the ship was launched and equipped

July 27. Mar 1. 7. 12. 14. 20. 24. 29. April 2. 6. 10. 11
13. 16. 19. 22. 23. 26. 30. Jan 10.

Total No. of Visits 20

The amount of Entry Fee£

Special.....£

Certificate* £

Travelling Expenses, if any £

Fees applied for,

14/5 1894

Received by me,

16/5 1894

* Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100A1 Steam Trawler
Plating pt iron

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

Committee's Minute

Character assigned

FRI 18 MAY 1894

100A1 Iron. BSH
Steam Trawler

Plating pt. Iron

The anchors are slightly less in weight than required by Table 22. In other respects the vessel appears to have been built in accordance with the Rules and the approved plans, and is eligible to be classed 100A1 (Iron & Steel) Steam Trawler as recommended.

100A1 (Iron & Steel) Steam Trawler
Plating pt. Iron

11. B. = DTF 14' 25"

Cem.

Lloyd's Register
Foundation

GLS 169-0439 (212)