

# IRON OR STEEL STEAMER.

TUES. 12 SEP 1893

~~and Pt. A wing. Dk.~~

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

Date of completion of Report 6<sup>th</sup> Sep: 1923

Port of *Glasgow*

No. 12440 Survey held at  
On the Twin Screw

Date, First Survey

### *Last Survey*

1893

TONNAGE under } 431.54  
Tonnage Deck... }

ONE  DECKED VESSEL.

Master *Capt. Robert*

Year of appointment	(1) As master in service of owner of present vessel	1893
	(2) As master of this vessel	1893

Built at Tenpenny

When built 1893 Launched 16<sup>th</sup> August 1893

By whom built *Means Tobacco & Co*

Owners *Linnæus Harbour Board*

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

Residence *Tamara. G. Zealand.*

Port belonging to Yinam

CLASS *A. 1. "steel" hopper dredger* FEET.

**Half Breadth** (moulded) ..... 15.00

Depth from upper part of Keel to top of Main Deck Bms. .... 13.60

**Girth of Half Midship Frame (as per Rule) . . . . .** 26.60

1st Number 33,20

Length .....  
 Box Number ..... 7948.

End Number 3

Depth to Length—Main Deck to top of Keel 10.5

Destined Voyage Simara If Surveyed while Building, Afloat, or in Dry Dock

Destined Voyage Lincoln

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

<b>LENGTH</b> on Deck as per Rule. ....	Feet. <i>144</i>	Inches. <i>0</i>	<b>BREADTH</b> — Moulded. ....	Feet. <i>30</i>	Inches. <i>0</i>	<b>DEPTH</b> — Top of Floors to Main Deck Beams.	Feet. <i>12</i>	Inches. <i>3/4</i>	Power of Engines	Horse. <i>780</i>	No. of Decks with Flat laid No. of Tiers of Beams. ....	<i>one</i> <i>one</i>
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Dimensions of Ship per Register, Length, 145 breadth, 30.1 depth, 12.2 Moulded Depth, ft. 19 ins. 0 Round of Beam 7 1/2 inches.

[illegible]



12440 Gb

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 or. to or.		Diam.	Spacing or. to or.	Breadth.	Thick-ness.	Breadth.	For what Length.		
	Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.			Inches.	Inches.		Inches.	Inches.	Inches.	16 or 20ths.	Inches.	Pct.		
FLAT PLATE KEEL .....	40 1/2	11	9	9	40	11	Double	4 1/2	3/4	3 1/2	Double	3/4	2 1/2	-	-	7 1/2	all length		
GARBOARD OR A Strake ..	46	8	7	7	46	8	"	"	"	"	Double	"	"	-	-	8	"		
State actual thickness in way of Double Bottom.	B	43	8	7	7	43	8	"	"	"	"	"	"	-	-	"	"		
C	46	7	6	6	46	7	"	"	"	"	"	"	"	-	-	9	"		
D	43	8	7	7	43	8	"	"	"	"	Double	"	"	-	-	7 1/2	"		
E	48	7	6	6	48	7	U.S. single	2 1/2	"	"	Double	"	"	-	-	8	"		
F	53	8	7	7	53	8	Double	4 1/2	"	"	Double	"	"	-	-	"	"		
G	48	9	7	7	48	9					Double	"	"	Double	"	"	-	-	7 1/2
H																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING of Flat Plate Keel																			
Length and thickness of	of Bilges .....																		
	of Sheerstrakes ..																		
	of Strake below																		
POOP SIDES .....																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES .....																			
FORECASTLE SIDES .....																			
LENGTHS OF PLATING .....	24 feet				16 inches														

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. ? *Siemens Martin*  
*Clydebank Steel Coy. & Scotland*  
*2 Lanarkshire Steel Coy. & Dalzell.*

Main Stringer Plate { Butts, treble riveted for *half* length amidship.  
Straps, single, double or overlapped for *all* length amidship.  
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?  
Inner Bottom Plating, riveting of Edges *Butts*  
Centre Girder Butts, *treble* riveted. Keelson Butts, *treble* riveted.  
Frames, riveted through Plates with *3/4* in. Rivets, about *5/4* apart.  
Rivets, state whether of Iron or Steel *Iron*

FRAMES extend in one length from *Keel* to *gunwale*  
REVERSED FRAMES on floors and frames extend *from across top of floors with knee bracket*  
*plates as approved.*

MASTS, SPARS, &c.										RIVETING.									
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	Butts.	Straps.	Seams.	Stays.	Sails.	Suit of.	Sails and the following spare sails.		
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.										
LOWER MASTS ....	Fore .....																		
	Main .....																		
	Mizen .....																		
Bowsprit																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size. Shrouds																			
Sails.																			

EQUIPMENT No. 7948 LETTER g TONNAGE FOR TRAWLERS U.Dk.										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
24968	1st Bower ..	8	2	14	2	1	0	10	15	0	0	8	1	0	Common				
24967	2nd " ..	8	1	14	2	0	14	10	10	0	0	8	1	0	"				
24969	3rd " ..	7	0	7	1	3	7	9	7	0	21	7	0	0	"				
	Collective weight	24	0	7								23	2	0					
24970	Stream ....	2	2	0	0	2	14	5	0	0	0	2	2	0	"				
	Kedge .....	1	2	11	with stock							1	1	0					
	2nd Kedge ..																		

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	WEIGHT OF CHAIN CABLE		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Twines.	Fathoms and Size Per Rule.					
				Supplied.	Per Rule.														
10420	165	1 1/2	15 1/2	15 1/2	15 1/2	165	1 1/2	Charles A. Taylor & Co. Sunderland	2/6/93	TOWLINE	75	7 1/2	75	7 1/2	75				
										HAWSER	90	5 1/2	90	5 1/2	90				
										WARP		5 1/2							
10419	10 1/2	1 1/2	15 1/2	15 1/2	15 1/2	10 1/2	1 1/2	Charles A. Taylor & Co.	3/5/93										

Boats *Two life boats*  
Pumps, Number *Five* as per approved plan. Diameter of Barrel and Tail Pipe *6* inches *2 1/2* tail pipes  
Windlass is *Lobnitz & Co.* Capstan  
Engine Room Skylights.—How constructed? *Steel frame with tank top*  
What arrangements for deadlights in bad weather? *Roller eye*  
Coal Bunker Openings.—How constructed? *Cast iron frame* How are lids secured? *with clutches* Height above deck? *6*  
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *open*  
Ceiling in Holds, thickness and material *W. Pine 2"* Ceiling 'tween Decks, thickness and material *Cabin lining for?*  
Cargo Hatchways.—How formed? *Plates and angles* Hatches.—If strong and efficient? *yes*  
State size No. 1 Hatch (Forward) *6'0" x 5'0" x 18"* No. 2 Hatch *32' x 20' x 36"* No. 3 Hatch *three web plates* No. 4 Hatch *two*  
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *shown on approved profile* No. of Breasthooks *two* No. of Crutches *one*  
Bulwarks, height above deck and description *Short bulwarks forward* Main Rail, material and size *—*  
The above is a correct description.  
Builder's Signature (here only) *Robt. Edgar* Surveyor's Signature *Charles Edwards*  
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)

21<sup>st</sup> Dec 1892 (M) 3<sup>rd</sup> Jan 1893 (M) 3<sup>rd</sup> June 1893 (E)

**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 any rivets break into or through the seams or butts of the plating? *a few only*

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

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

*Workmanship and materials good throughout. This is a Twin Screw Steel Sand pump Hopper Dredger built in accordance with the approved sketch of Midship Section, Section through Hopper and profile forwarded to London on the 22<sup>nd</sup> Aug 93 the Secretary's letters of the above dates and enclosed sketch of pumping arrangement. The midship ballast tank was tested by water pressure and proved satisfactory.*

*This vessel is temporary rigged as a schooner for the passage to Liman.*

*3 Forging Reports enclosed herewith.*

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 ☒ 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) *one deck (steel), one tier of beams*

Official No. \_\_\_\_\_; Signal Letters \_\_\_\_\_

How are the surfaces preserved from oxidation? Inside *Cement and Paint* Outside *Paint*

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	—	—	Fore peak tank,	—	—
Double bottom, forward,	—	—	After peak tank,	—	—
Double bottom, under Engines and Boilers,	—	—	Midship deep tank,	22	108
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. *2653*

Date *12<sup>th</sup> January 1893*

Order for Ordinary Survey No. ☒

Date \_\_\_\_\_

No. *404* in builder's yard

- 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

*1893: Feb 24, Mar 3, 9, 15, 21, 30 Apr 7, 14, 17, 20, 25 May 4, 10, 24, 26, 31 June 7, 15, 19, 26 July 3, 4, 10, 28 Aug 2, 8, 15, 16, 22, 24, 29, Sep 5*

Total No. of Visits *32*

The amount of Entry Fee .....£ *2* : : : Fees applied for, *4/9* 1893

Special.....£ *21* : *12* : : : Received by me, *8/9* 1893

Certificate\* £ " : " : : : *8/9* 1893

Travelling Expenses, if any £ " : " : : : *8/9* 1893

I am of opinion this Vessel should be Classed *A1 Steel Hopper Dredger*

With, or without Freeboard, as condition of Class

\* Certificate to be sent to *Glasgow*

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

Committee's Minute

Character assigned

*SEP 15 1893*

*A1 Steel Hopper Dredger*

*a + c p + 2 Mac 9.93*

*This Vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed A1 (Steel) Hopper Dredger as recommended.*

*A1 (Steel) Hopper Dredger*

*1 DR (Stl)*

*W.B. = MT (particulars above)*

*F.K.*

Hull Certificate