

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

IRON OR STEEL STEAMER.

No. 24239.
TUES. 24 JUL 1906.

State if Report is also sent on the Machinery of the Vessel, *yes*
Date of completion of Report *21st July 1906.* Port of *Glasgow*
Date, First Survey *15th December 1905* Last Survey *12th July 1906*

Survey held at *Glasgow*
On the *Steel, Iron, Screw, Stern, well, Hopper Dredger.*

TONNAGE under
Tonnage Deck *919.41*
Do. of Poop *2.91*
Do. of Raised Or.
Dk. or Break...
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Gross Tonnage *941.65*
Less Crew Space
Less above Crown of
Engine Room...
TONNAGE FOR FEES *884.42*
Less Engine Room
Less Navigation Spaces
Crew *44.45*
Register Tonnage
as out on Beam *488.14*

ONE OR TWO DECKED VESSEL.

CLASS + A.I. Hopper Dredger

Half Breadth (moulded) *19.00*
Depth from upper part of Keel to top of Main Deck Bms. *16.54*
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) *33.46*
1st Number *69.00*
Length on deck from after part of stem to fore part of
stern post *213.71*
2nd Number *14745.99*
Proportions—Breadths to Length *5.6*
Depths to Length—Main Deck to top of Keel *12.92*

Rig *one pole mast*

Master (not appointed yet)

Year of appointment

Built at *Paisley*

When built *1906* Launched *25th May 1906*

By whom built *mess Fleming, Ferguson & Co.*

Owners *Gimara Harbour Board.*

Managers
(Where necessary to be entered in Reg. Book.)
Residence Gimara, New Zealand.

Port belonging to *Gimara*

Destined Voyage *Gimara*

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

LENGTH on Deck as Feet. Inches. BREADTH— Feet. Inches. DEPTH, ACTUAL— Feet. Inches. No. of Decks with Flat laid *one*
per Rule *213 8 1/2* Moulded *38 0* Top of Floors to top of Main Deck Beams *14 10* No. of Tiers of Beams *one*

Dimensions of Ship per Register, Length, *215.3* breadth, *38.1* depth, *15.25* Moulded Depth, *15 ft. 9 ins.* Round of Beam, Actual *9 1/2 ins.*

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	20ths per Rule		Inches in Ship.	Inches in Ship.	20ths per Rule
FRAME, Angles, $\frac{1}{2}$ E and L Bars, for $\frac{1}{2}$ length amidships	4 1/2	3	7	4 1/2	3	7	
Do. for $\frac{1}{2}$ at each end	4 1/2	3	6	4 1/2	3	6	
Do. in way of Double Bottoms at Solid Floors.							
Spacing of Frames from centre to centre	24			24			
REVERSED FRAME, Angles	2 3/4	2 3/4	8	2 3/4	2 3/4	8	
DEEP FRAMING, depth of girder							
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	20 1/2	8	20 1/2	8			
in way of Engines and Boilers							
thickness at the ends of vessel							
depth at $\frac{1}{2}$ the half breadth, as per Rule							
height extended at the Bilges							
FLOORS & BRACKETS, in Cell Double Bottoms state if flanged (top & bottom)	19	8	19	8			
IN WAY OF Spacing HOPPER	17	8	17	8			
CENTRE GIRDER, in Double Bottom, depth and thickness							
Angles, Top							
Angles, 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	7	3	12	7	3	12	
Angles on Upper Edge							
Spacing							
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	6	4 1/2	3	6	
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	6	3	7	6	3	7	
Angles on Upper Edge							
Spacing							
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	7	6	3	7	
Angles on Upper Edge							
Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	7	6	3	7	
Angles on Upper Edge							
Spacing							
PILLARS, In 'tween Decks, Size and Spacing							
Hold	3 1/2	48		3 1/2	48		
Quarter, 'tween Dks.,							
in HOPPER							
WEB FRAMES, In Fore Body, No. and Spacing							
Brdth. & Thickness	15			15			
No. of Side Stringers							
WEB FRAMES, In E. & L. Space, No. & Spacing							
Brdth. & Thickness	15			15			
No. of Side Stringers							
WEB FRAMES, In After Body, No. and Spacing							
Brdth. & Thickness							
No. of Side Stringers							
Size of Angles or Tee Bars to Web Frames	2	3	3	2	3	3	
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES.				BUTTS.			
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	FORWARD.	AFT.	
FLAT PLATE KEEL.....	34	13	10	34	13	10	34	13	10	34	13	10	34	13	10	
(If Bar Keel, state Riveting)																
GARBOARD OR A STRAKE.....	43	10	9	43	10	9	43	10	9	43	10	9	43	10	9	
State actual thickness in way of Double Bottom.																
B.....	9	8	8	9	8	8	9	8	8	9	8	8	9	8	8	
C.....	9	8	8	9	8	8	9	8	8	9	8	8	9	8	8	
D.....	10	8	8	10	8	8	10	8	8	10	8	8	10	8	8	
E.....	10	8	8	10	8	8	10	8	8	10	8	8	10	8	8	
F.....	9	8	8	9	8	8	9	8	8	9	8	8	9	8	8	
G.....	9	8	8	9	8	8	9	8	8	9	8	8	9	8	8	
H.....	9	8	8	9	8	8	9	8	8	9	8	8	9	8	8	
Sheer J.....	36	11	9	36	11	9	36	11	9	36	11	9	36	11	9	
K.....																
L.....																
M.....																
N.....																
O.....																
P.....																
DOUBLING OF PLATE KEEL.....																
Length and thickness of Bilges.....																
Length and thickness of Sheerstrakes.....																
Length and thickness of Strake below.....																
POOP SIDES.....																
RAISED QUARTER DECK SIDES.....																
BRIDGE SIDES.....																
FORECASTLE SIDES.....																
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.: *Siemens Process*
Clydebridge Steel Co (Ld), David White & Son
Steel Company of Scotland (Ld)
Donnachie Steel Co (Ld)
 Has the Steel been tested as required by the Rules? *yes*

FRAMES extend in one length from *middle line*, well as *hopper side to deck*, state if ordinary or joggled *ordinary*
 REVERSED FRAMES on floors and frames extend from *centre line*, well as *hopper side to deck*, state if ordinary or joggled *ordinary*
 and lower stringers alternately; double under engine and boiler space

MASTS, SPARS, &c.

Lower Masts.....	Fore.....	Total length.	DIAMETER AND PERCENTAGES.				No. of Plates in round.	No. of Ropes.	No. of Ropes.	No. of Ropes.	No. of Ropes.
			At Partners.	Heel.	Mounds.	Head.					
Main.....	<i>Rich Pine</i>	<i>44-0</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>					
Misc.....											

Bowsprit.....
 Topmasts, Yards and Remainder of Spars.....
 Rigging, Material and Size, Shrouds *Galvanized steel wire, 3 each side 2*, Stays *Galvanized steel wire, 2 each side 2*
 Sails, *one sail*, Suit of *Sails and the following spare sails*

Equipment No. 14914 Letter M. **ANCHORS.** Tonnage U.Dk. or Plating No. for Trawlers *—*

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.			
30138	1st Bower ..	25	0	24	6	1	12	24	19	1	14	
30139	2nd ..	23	3	0	Stobless	23	13	3	0			
30151	3rd ..	9	3	0	2	1	21	11	15	2	14	
30158	Collective weight	9	2	18	2	1	19	11	13	1	21	
30143	Stream ..	9	2	17	2	1	18	11	13	1	21	
30150	Kedge ..	9	2	15	2	1	20	11	13	1	21	
30159		9	2	11	2	1	24	11	13	1	21	

CHAIN CABLES. **HAWSERS AND WARPS.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and 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.	
			Supplied.	Per Table 22.						Length.	Cir.		Length.	Cir.
30509	210 1 1/2	27	54	263	2 1/2	105	1 1/2	S. Taylor & Son	13/1/06	Perrins	TOWLINE	90	92	
30273	105 1 1/2	27	54	123	2 1/2	105	1 1/2	S. Taylor & Son	13/1/06	Perrins	HAWSERS & WARPS	90	92	
30510	60 3 1/2	102	21	28	3 1/2	29	0	9	6	16				

Boats *Two*
 Pumps, Number *two*, Diameter of Barrel *4 1/2*, State whether they are in efficient working order *yes*
 Windlass is *Clarke Chapman & Co. Ltd*, Capstan *—*
 Engine Room Skylights.—How constructed? *Steel on steel casing*
 What arrangements for deadlights in bad weather? *Steel flaps with bulls eyes*
 Coal Bunker Openings.—How constructed? *Plates & angles*, How are lids secured? *Chains & battens*, Height above deck? *1-6*
 Number of Scuppers, and number and dimensions of Freeing Ports, &c. *5 scuppers each side; 4 freeing ports each side 2 1/2 x 1 1/2*
 Ceiling in Holds, thickness and material *—*
 Cargo Hatchways.—How formed? *—*
 State size No. 1 Hatch (Forward) *—*, No. 2 Hatch *—*, No. 3 Hatch *—*, No. 4 Hatch *—*
 Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *—*
 Bulwarks, height above deck and description *3-0 Steel Plate*, No. of Breasthooks *four*, No. of Crutches *four*, each *Main Rail, 5 x 2 1/2 x 10 Angle*
 The above is a correct description *—*, Main Rail and Stays, material and size *Stays 1 1/4 round iron*
 Builder's Signature *Geo. M. Shaw*, Surveyor's Signature *Geo. M. Shaw*, 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) *18th July 1906, M.*
14th September 1905 (M), 15th September 1905 (M), 2nd October 1905 (M), 23rd November 1905 (M), 29th Dec. 1905 (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* 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)? *yes* State results of tests *satisfactory*
 Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes* State results of tests *satisfactory*
 General Remarks (State quality of workmanship, &c.) *workmanship good*
This dredger has been built in accordance with the approved plans. The Secretary's letter of above dates, and in general conformity to the Rules for the class contemplated.

6 PLANS (Including Profile, midship section as built) 1 forging form.

Equipment No. 14914 Letter M. **DREDGER N° 350** **ANCHORS.** Tonnage U.Dk. or Plating No. for Trawlers *—*

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.			
30144	1st Bower ..	9	2	8	2	1	20	11	13	1	21	
30146	2nd ..	9	2	0	2	1	20	11	13	1	21	
30157	3rd ..	9	0	22	2	3	6	11	6	3	14	
30142	Collective weight	3	2	10	0	3	18	6	0	3	21	
	Stream ..											
	Kedge ..											

CHAIN CABLES. **HAWSERS AND WARPS.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and 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.	
			Supplied.	Per Table 22.						Length.	Cir.		Length.	Cir.
21383	182 3 1/2	10	1	10	1	1	1	1	1	1	1	1	1	
21385	105 1 1/2	20	8	26	1	1	1	1	1	1	1	1	1	
21399	24 1 1/2	10	1	11	0	4								

* 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 *yes*

Order for Special Survey No. *1056*
 Date *30th Sept/05*
 No. *350* in builder's yard.
 The amount of Entry Fee *£ 3*
 Special *£ 44 4*
 Travelling Expenses, if any *£*
 Fees applied for, *21 JUL 1906*
 Received by me *25/7/06*
 State whether the Vessel has been built under Special Survey *yes*
 I am of opinion this Vessel should be Classed + *A1* Hopper Dredger.
 With, or without Freeboard, as condition of Class *without*
 Committee's Minute *Glasgow 23 JUL 1906*
 Character assigned *+ A1 (Steel) "Copper Dredger" Lloyd's &c.*
 Signature *Geo. M. Shaw*
 Surveyor to Lloyd's Register of British and Foreign Shipping.