

## STEEL STEAMER or MOTORSHIP.

-8 DEC 1926

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Yes.*State if Report is sent on the Machinery of the Vessel *Yes.*

Date of completion of report

6th Dec. 1926.

Port of

Glasgow

No. 46144

Survey held at

Renfrew

Date First Survey 4th Nov 1925

Last Survey 30th November 1926

On the (State if Machinery, Mtd. Art and if Single, Twin or Triple Screw)

Twin Screw Propeller &amp; Butter Section Dredger

"VIZAGAPATAM."

State Type (Full Sailing, Complete Superstructure with or without Tonnage Openings)

Restricted class

State Type of Erections

Sloop.

TONNAGE under Tonnage Deck

2164.51

CLASS *HOPPER DREDGER* (State if with freeboard as condition of Class)

No.

Built at

Renfrew

Launched

7th October 1926 Yard No. 680.

Builders

Wm. Simons &amp; Co. Ltd.

Owners

India Office Government of India

Managers

Stores Department

Residence

London.

Port of Registry

Glasgow

If surveyed while building, afloat, or in dry dock

Building &amp; in Dry Dock

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

2164.51

Gross Tonnage

2245.32

Register Tonnage

954.30

## REGISTERED DIMENSIONS.

FEET.

Length

272.10

Breadth

52.80

Depth

19.25

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 272

Breadth (greatest moulded)

B 52.5

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 19.5

FRAME

1st Longitudinal Number (B + D)

= 72

2nd Numeral L x (B + D)

= 19584

Framing Depth "d," at middle of length. See Sec. 3 (1d)

17 &amp; 17.16

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.94

Do. Long Bridge to top of keel

Draught Moulded

Freeboard for Voyage only

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>			<b>Bracket Floors, Frame</b>		
" " from 1/2 length to Collision bulkhead	24"		" " Reversed Frame		
" " in peaks			" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle <i>8 x 8</i>	8 3 48		" " top Angles		
" " Extends up to	deck.		" " bottom Angles		
Reversed Frame Amidships, Angle <i>3 1/2 x 3</i>	3 1/2 3 40		<b>Side Girders, No. each side and thickness</b>		
Double in E.S. and Boiler Beams across top of floors			<b>Margin Plate</b> depth (excl. of flange) and thickness		
" " Extends up to	top of floors		" " Vertical Angle to Tank side		
Depth of Framing Girder	8"		Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, [ or ]			Bracket forward 1/2 len. from stem		
" " Third			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Framing in Peaks, Angle <i>6 x 6</i>	6 3 36		" " Gussets, spacing and scantling forward 1/2 len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" @ 5 1/2"		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
State if Frame Joggled	Yes.		<b>INNER BOTTOM PLATING.</b>		
<b>FRAMING ARRANGEMENTS</b> (Sec. 7), state system and particulars			Breadth and thickness of Middle Line Strake		
<b>STRENGTHENING OF BOTTOM FOR HULL.</b> State Particulars			Thickness of remainder in Holds		
<b>DOUBLE BOTTOM.</b>			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?		
Frames, Depth and thickness at mid-line in Holds	24" x 44"		<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame	66"		Uppermost Continuous Deck, amidships	9 3 48	
Double Line Keelson, on Floors, Angles, <i>5 x 5</i>	5 x 5		" " in way of Bridge Angles <i>5 x 5</i>	8 3 48	
" " Through Plate or Intercoastal Plate	42"		Spacing	24"	
" " Foundation Plate on Floors			<b>Cabin Sole.</b>		
" " Flat Plate Keel Angles	4 4 48		Second Deck, amidships, Angle, <i>5 x 5</i>	6 3 40	
Side Keelsons, No. each side	Two		Spacing	48"	
" " thickness of Intercoastal Plate	38"		<b>Third Deck, amidships, Angle, [ or ]</b>		
Angles <i>double</i>	5 3 40		Spacing		
Two Side Stringers. 36 Int. pl. 5 x 3 1/2 x 38" face angle.			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
<b>DOUBLE BOTTOM.</b>			Spacing		
Solid Floors, thickness and spacing			<b>Poop Deck, Angle, <i>5 x 5</i></b>	5 3 30	
" " Are Frame and Reversed Frame joggled?			Spacing	24"	
Bracket Floors, breadth and thickness at middle line			<b>Bridge Deck, Angle, [ or ]</b>		
" " breadth and thickness at margin plate			Spacing		
			<b>Forecastle Deck, Angle, [ or ]</b>		
			Spacing		



## PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	ONE		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" <u>Turn Deck</u> " .....	3"		Thickness of Plating abreast Deck openings in way of Wells .....	✓	
" <u>in between Decks, Size and Spacing.....</u>	48"		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" " " " " " .....	3 3/4" 50 LID.		Thickness of Plating within line of openings .....	✓	
" in Holds " " .....	48"		If Sheathed, material and thickness .....	R.P. 2" and R.P. 1 3/4"	
" " " " " " .....			<b>Third Deck.</b>		
<b><u>Centre Line Bulkhead.</u></b>			Stringer Plate, breadth and thickness .....	✓	
<u>Stiffeners and Spacing.....</u>	✓		If Plated, state thickness.....	✓	
<u>Plating, thickness of .....</u>	✓		<b>Fourth Deck.</b>		
<b>STRINGERS AND DECKS.</b>			Stringer Plate, breadth and thickness.....	✓	
<b><u>Uppermost Continuous Deck.</u></b>			If Plated, state thickness .....	✓	
Stringer Plate, breadth and thickness in Wells	4 1/2" x 54"		<b>Poop Deck.</b>		
" " " " " in way of Bridge	✓		Stringer Plate, breadth and thickness .....	30 STRG PLG	
" Angle in Wells .....	4 1/2" 4 1/2" 38		Plating, Sheathing, material and thickness .....	TEAK 2 1/2"	
Thickness of Plating abreast Deck openings in way of Wells .....	38		<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating within line of openings.....	32/30		Plating, Sheathing, material and thickness .....	✓	
If Sheathed, material and thickness .....	TEAK 2 1/2" FORWARD OF HOPPER ONLY.		<b>Forecastle Deck.</b>		
<b><u>CABIN SOLE.</u></b>			Stringer Plate, breadth and thickness.....	✓	
<b><u>Second Deck</u></b>			Plating, Sheathing, material and thickness .....	✓	
Stringer Plate, breadth and thickness in Wells	18 x 38				

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	42	$\frac{1}{4}$	.58	well	.56 appd.	double	1"	4"	4 1/2 3	1"	3 1/2	Lapped.
" <del>SIDE IRON</del>												
BOTTOM PLATING, No. of Strakes .....	2502 2555	.50	*.40	.40		"	3/4"	3"	3 1/2 2	3/4"	2 5/8	"
BILGE PLATING, No. of Strakes .....	55	.48	"	"		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....	538	"	"	"		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Walls .....	42	$\frac{1}{4}$	"	"		"	1"	4"	4 1/2 2	1"	4"	"
<del>UPPER DECK, Sheer-strake in Bridge ...</del>												
STRAKE BELOW Sheer-strake in Walls .....	48	.56	"	"		"	7/8"	3 1/4"	3 1/2 2	7/8"	3 1/8"	"
<del>STRAKE BELOW Sheer-strake in Bridge ...</del>												
POOP SIDE PLATING .....				.32		single	3/4"	3"	2	3/4"	2 5/8	"
<del>BRIDGE SIDE PLATING</del>	* Two strakes next keel & thickness to											
<del>POOP SIDE PLATING</del>	✓ Coll. Bldg .48 at stem.											

## WATERTIGHT BULKHEADS.

STIFFENERS.					
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>Total No. of W.T. BULKHEADS in Vessel—</b>					
Extending to Upper Deck (Sec. 3 c)					
" " Deck next below					
As per Rule					
<b>MIDSHIP BULK'HD,</b>	N <sup>o</sup> . 8	34/30	6x3x4	36"	✓
Upper tween decks	N <sup>o</sup> . 25	36/32	7x3x36 BA.	"	✓
" Second "	N <sup>os</sup> 54 & 85	42/40	16x38 ba.	"	✓
HOPPER B.H'S	Third "	N <sup>o</sup> . 110	44/32	7x3x48 BA.	✓
" " Holds	N <sup>o</sup> . 126	44/32	8x3x46 BA.	24"	✓
(in Hold)					
<b>AFTER PEAK</b>		34/30	5x3x40	30"	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....		Flat Plate Keel.		
STEM .....	Forging	$1\frac{1}{2} \times 2\frac{3}{8}$	Curson Walker Whomlymhire	
STERN FRAME {		See approved plan.		
Propeller Post .....				
Rudder " 3/4" off.	Casting		Curson Walker Steel Co.	
RUDDER—A x D .....				
Speed of Vessel .....		10 knots.		
RUDDER mainpiece at head .....	Forging	$1\frac{1}{2}$	J. L. Foster & Sons	
" " heel .....		6"		
" how constructed .....		Single Plate.		
" double or single plate coupling, vertical or horizontal .....		Balanced type. SINGLE.		
		HORIZONTAL.		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open-heart process*  
*Steel Co. of Scotland, Lanarkshire Steel Co. D. Colville & Sons, Ltd. Bangor, N.B.*  
*Wm Beardmore & Co. Dorman Long & Co. Ltd.*  
Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No. <input checked="" type="checkbox"/>				LETTER <input checked="" type="checkbox"/>				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
1st Bower ...											
2nd "											
3rd "											
Collective weight.											
Stream .....											

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 53.	Length and size per Table 53.	Length and size per Table 53.	Length and size per Table 53.	Length and size per Table 53.
	Length. Diam.	Stagn.	Break.	Supplied.	Per Rule.	Length. Diam.	Length. Diam.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.	Length. Cir.	Length. Cir.	Length. Cir.	Length. Cir.
79694	120	1 1/2	59 1/2	199-3-22	397-3-0	240	1 1/2	240	1 1/2	Hingley & Sons.	Mth: 31.3.26.	TOWLINE...	100	12	100	12	100	12	100
79695	120	1 1/2	59 1/2	199-0-0	397-3-22						H. Green.	HAWSERS & WARPS	2290	7	2290	7	2290	7	2290
Iron Stream Chain or Steel Wire													7 1/2	1600ft	3 1/2	35 1/2	7 1/2	1600ft	3 1/2
													2 1/2	600ft	2 1/2	13 1/2	2 1/2	600ft	2 1/2

Steering Gear, Steam *Hand (Combinis) Macgregor* Steering Gear, Hand *Emergency Blocks & Tackles*

Boats *2 Lifeboats & Dinghy* Steering Chains, Size and Test *1 1/2" short link 30.5.0 15.2.2* Windlass *by Wm. Simons & Co. Ltd.*

Ceiling in Holds, thickness and material ☒ Cargo Battens, thickness, material and spacing ☒

Cargo Hatchways.—(Upper Deck) ☒ Thickness of Hatches ☒

Size of No. 1 Hatchway (Forward) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒

Number of Shifting Beams and/or Fore and Afters ☒

Builder's Signature *James Gray* *P. D. M. S.*

GENERAL DECLARATION *The materials & workmanship are good.*

*This vessel has been built in accordance with the approved plans the secretary's letters of various dates and in general conformity with the rules for the Class contemplated. Tanks tested as required by rule. The weather deck & bulkheads tested with satisfactory results. Hand pumps tested. The freeboard marks have been verified & marks cut in on vessel's side (For voyage only.)*

*The following approved plans forwarded herewith:—*

*(1) Profile & Deck Plan: (2) Midship Section: (3) Elevation of Fore Peak: (4) Main Deck Plating: (5) Stern (6) Rudders: (7) Shaft Brackets: (8) Pumping Plan: (9) Bulkheads: and (10) Midship Section (as built:)*

*also two Forging certificates and two Casting certificates.*

The amount of Entry Fee ..... £ *6 : 0 : 0* Fees applied for, *6/12/1926*

Special Survey Fee.... £ *188 : 15 : 0* Received by me, *11.12.26*

*FREEBOARD FEE.* *Travelling Expenses, &c.* £ *4 : 0 : 0.*

I am of opinion the Vessel should be Classed *+A1 "HOPPER DREDGER."*

State whether the Vessel has been built under Special Survey *Yes.* Signature *M. Macleod.*

Certificate to be sent to *Glasgow* Date of issue *13/12/26* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 7-DEC 1926*

Character assigned *+A1 "Hopper Dredger"*

*11.26.*

*Leoyis A.C.P.*

*+ L.M.C. 11.26. F.D. 12*

The Surveyor is requested not to write on or below the Committee's Minute.

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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

PARTICULARS OF ANCHORS.

(The Plans should be enclosed.)																	
No. of CERTIF.	ANCHOR	WEIGHT.			STOCK.			TEST.			Wt. Approved.	DESCRIPTION of ANCHOR.	MAKER.	WHERE TESTED			
		Cwt.	Q.	Lbs.	Cwt.	Q.	Lbs.	T.	Cwt.	Q.				Lbs.	When.	SUPER?	
88245	No. 1	38	0	14	-	-	-	34	11	2	7	39 cwt.	Halls C.S. Head.	Angley	Netherland	31.3.26.	St. Wigh
84880	2	40	1	0	-	-	-	35	18	3	0	"	"	"	"	"	St. Wigh
88250	3	31	1	14	7	3	24	29	13	0	14	"	Johannes F.W. I.	"	"	"	St. Wigh
88251	4	31	0	20	7	3	22	29	11	1	0	"	"	"	"	"	"
88252	5	31	1	21	8	1	0	29	15	0	0	"	"	"	"	"	"
88253	6	31	1	14	8	0	0	29	13	0	14	"	"	"	"	"	"
88269	7	31	0	17	8	0	17	29	11	1	0	"	"	"	"	"	"
88270	8	30	3	7	8	0	12	29	5	2	14	"	"	"	"	"	"
TOTAL	8	265	2	23	43	1	19					312					

No. Anchors 48-1-19 wt. of stocks.

Total Weight 314-0-14 supplied.

Weight approved.

NOTE:-

This vessel sustained damage to bottom plating, aft-end, on launching 7th October 1926, and has now been efficiently repaired as follows:-

PORT SIDE (No. from aft.)

D STRAKE:- No. 3 plate renewed. No. 4 plate faired in place.

E. -:- No. 4 plate renewed.

STARBOARD SIDE:- No. 1, 2 and 4 plates faired in place.

D STRAKE:- No. 3 plate removed, faired and replaced.

E STRAKE:- No. 1 plate part renewed.

No. 2, 4 & 5 plates faired in place.

Particulars of Drop Test of Cast Steel Anchors, viz.:-  
Weight, Surveyor's Initials,  
Number of Certificate, Date  
of Test.

1st Bower  
2nd "  
3rd "

23.0.2 : D.D.W. 757 : 15.3.26. Sld.  
23.0.18 : D.D.W. 387 : 5.3.25. Sld.  
✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 15' ft., R.Q.D. ft., Bridge ft., Forecastle ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

one dk. (Sld.)

Official No. ; Signal Letters

Is bottom of Vessel coated with cement No. if not give

particulars of composition

Bitumastic.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,		✓	Fore peak tank,		98
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, Fresh Water Tank. { One off each side.	6	10.5
Total capacity of double bottom		✓	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5238

Date 3.12.25

Dates of Surveys held while building

1925 Nov. 4-10-19-24-25 Dec. 1-4-8-24-28 (1926) Jan. 11-13-19-22 Feb. 1-18-26 Mar. 1-8-10-16-19-22 Apr. 1-29 May 6-11-14-20-25-27-28-31 June 3-7-11-16-18-22-24-28 July 5-6-8-12-24-29 Aug. 9-16-23-25-27 Sept. 1-4-17-23-30 Oct. 4-7-12-14-15-18-20 Nov. 3-19-22-23-24-25-26-29-30

Total No. of Visits 24