

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

IRON OR STEEL STEAMER.

No. 21549
1 MAR 1904

State if Report is also sent on the Machinery of the Vessel. *Yes*
Date of completion of Report *26th Feb 1904*
Date, First Survey *15th July*
"MADRAS"

Received at London Office.
Port of *Glasgow*
Last Survey *25th February 1897*
Rig *One Pole Mast*

Survey held at *Renfrew*
On the *Steel Twin Screw Hopper Dredger*

TONNAGE under
Tonnage Deck } *789.34*
Do. of Poop
Do. of Raised Qr.
Dk. or Break.. }
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck *1.73*
Do. of excess of Hatchways *33.60*
Do. above Crown of
Engine Room .. }
Gross Tonnage *824.67*
Less Crew Space *46.37*
Less above Crown of
Engine Room .. }
Net Tonnage *778.30*
Net Tonnage for Fees ..
Engine Room *263.89*
Navigation Spaces *21.32*

ONE OR TWO DECKED VESSEL.

CLASS *A 1 "Hopper Dredger"*

Half Breadth (moulded) *17.00*
Depth from upper part of Keel to top of Main Deck Bms. *15.95*
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) *31.00*
1st Number *63.95*
Length on deck from after part of stem to fore part of stern post *192.91*
2nd Number *12336*
Proportions—Breadths to Length *5.67*
Depths to Length—Main Deck to top of Keel *12.09*
Destined Voyage *Madras*

Master

Year of appointment (1) As master in service of owner of present vessel:—18
(2) As master of this vessel:—18

Built at *Renfrew*

When built *1903/1904* Launched *4th Feb 1904*

By whom built *W. Simons & Co*

Owners *Indian Government*

Managers

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

Residence

Port belonging to *Madras*

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

TH on Deck as Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Feet. Inches. No. of Decks with Flat laid One
Moulded *192 11* Moulded *34 0* Top of Floors to top of Main Deck Beams *14 7 1/2* No. of Tiers of Beams *One*
Dimensions of Ship per Register, Length, *194* breadth, *34.1* depth, *14.6* Moulded Depth, *15* ft. *3* ins. Round of Beam, Actual *8 1/2* ins.

FRAMING.

E. Angles, *7*, E or L Bars, for $\frac{1}{2}$ length amidships *3 3 7 3 3 7*
for $\frac{1}{2}$ at each end *3 3 6 3 3 6*
in way of Double Bottoms at Solid Floors..
" " at intermdt. Bkts.
" of Frames from moulding edge to
ding edge, all fore and aft *24*
RSEED FRAME, Angles *3 2 3 6 3 2 3 6*
FRAMING, depth of girder
RS, depth and thickness of Floor Plate
at mid-line for $\frac{1}{2}$ length amidships *18 7 18 7*
in way of Engines and Boilers *16 8 16 8*
thickness at the ends of vessel *8 9 8 9*
depth at $\frac{1}{2}$ the half breadth, as per Rule .. *straight across*
height extended at the Bilges *see plans*
RS & BRACKETS, in Cell Dble Bottoms
" Distance apart
E GIRDER, in Double Bottom, depth
and thickness
" Angles, Top
" Bottom
GIRDERS, number on each side & thickness
Angles
IN PLATE, depth (exclusive of flange)
and thickness
Angles to Outside Plating
BOTTOM PLATING, breadth and
thickness of Middle Line Strake
" thickness in Engine and Boiler space
" Remainder in Holds.....
Main and Raised Quarter Deck,
Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space *24*
Lower Deck, Single Angle, Bulb
Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space *48*
Hold, Plate or Tee Bulb *13 6 13 6*
Angles on Upper Edge *3 2 3 6 3 2 3 6*
Average space *24*
Poop Deck, Angle, Bulb Angle, Plate
or Tee Bulb
Angles on Upper Edge
Average space
Bridge or Pt. Awng. Deck, Angle,
Bulb Angle Plate, or Tee Bulb....
Angles on Upper Edge
Average Space
Forecastle Deck, Angle, Bulb Angle,
Plate or Tee Bulb
Angles on Upper Edge
Average space.....
S. In 'tween Decks, Size and Spacing
" Hold " " *3' spaced 48"*
" Quarter, 'tween Dks., " " *3 as required*
" " 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 *Flat Plate Keel*
STEM, moulding and thickness *6 3/4 x 1 3/8 6 3/4 x 1 3/8*
STERN-POST for Rudder do. do. *6 3/4 x 3 6 3/4 x 3*
" for Propeller
MAIN PIECE of Rudder, diameter at head... *5 5*
do. at heel *3 3/4 x 3*
RUDDER, how constructed *Forged Iron Frame Plated*
Can the Rudder be unshipped afloat? *Yes*
KEELSONS AND STRINGERS.
CENTRE LINE KEELSON, Vertical Plate above
Floors, Through Plate, or Intercoastal Plate
" Rider Plate *6 6*
" Bulb Plate to Intercoastal Keelson *7 7 7 7*
" Horizontal Plates on Floors
" Angles *3 3 6 3 3 6*
SIDE KEELSON, Angles *3 3 6 3 3 6*
" Bulb or Plate above floors for lng. *before shaft*
" Intercoastal Plate for *1.5 to 4.5 length*
" Attached to outside plating with Angle.. *3 3 6 3 3 6*
BILGE KEELSON, Angles *3 3 6 3 3 6*
" Bulb or Plate above floors for *3/5* len.
" Intercoastal Plate for *length*
" Attached to outside plating with Angle.. *7 7 7 7*
BILGE STRINGER Angles *3 3 6 3 3 6*
" Bulb Plate for *3/5* length *7 7 7 7*
" Intercoastal Plate for *length*
" Attached to outside plating with Angle
SIDE STRINGER Angles *3 3 6 3 3 6*
" Bulb or Intercoastal Plate for *3/5* lng.
" Attached to outside plating with Angle
Main and Raised Quarter Deck Stringer
Plate, breadth and thickness *5 6 8 5 6 8*
" Angle on ditto *3 3/4 x 3 6 3 3/4 x 3 6*
" Tie Plates fore & aft, outside Hatchways ..
" Diagonal Tie Plates on Bms., No. of Pairs
" Main Dk* Iron or Steel for *full* lng. *6 6*
" R. Q. Dk* Iron or Steel for lng.
" Wood Deck, Material & thickness
Lower Deck Stringer Plate, breadth and
thickness
" Angles on ditto, No. *12 7 12 7*
" Tie Plates, outside Hatchways *at centre*
" Deck* Material and thickness *Pine 1 3/8 1 3/8*
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 & theknss
" Angle on ditto
" Tie Plates
" Deck, Material and thickness
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.

Number. Thickness. STIFFENERS
In Vessel. Per Rule. Horizontal. Vertical. Single or Double Frames. Height up.
W.T. BULKHEADS *5 4 7 3 2 x 5 x 7/2 3 0 x 4 8 6 6 5 K*
PARTITION " *Hopper 11 1/2 x 11 1/2 8 x 8 x 2 1/2 10 x 10 30"*
LONGITUDINAL,, *2 webs 1 1/2 x 7/2 12 x 7/2 20*
Are the outside Plates doubled two spaces of Frames in length? *Yes*
Are the Sluice Valves and Watertight Doors in efficient working order? *Yes*

Form No. 1A.

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		EDGES.		RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.			
FLAT PLATE KEEL (If Bar Keel, state Riveting)	43	11	10	10	42	11	double 42	3/4	3	7 full	3/8	3/8			9	7 full			
GARBOARD OF A STRAKE	54	9	8	8	54	9	single 22	1/2	1	Thayl	1/4	2 3/8			7 1/2	"			
B "		7	6	6		7	"	"	"	"	"	"			"	"			
C "		8	7	7		8	"	"	"	"	"	"			"	"			
D "		7	6	6		7	"	"	"	"	"	"			"	"			
E "		8	7	7		8	"	"	"	"	"	"			"	"			
F "		7	6	6		7	"	"	"	"	"	"			"	"			
G "		8	7	7		8	"	"	"	"	"	"			"	"			
H "	33 x 37	10	8	8	35	10	double 42	1/2	1	"	3/8	3/8			9	"			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING OF FLAT 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.?										Main Stringer Plate Butts, treble riveted for half length amidship. Straps, single, double or overlapped for full length amidship.									
Plates, outside Plating, &c.?										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?									
Has the Steel been tested as required by the Rules?										Inner Bottom Plating, riveting of Edges Butts									
										Centre Girder Butts, riveted. Keelson Butts, treble riveted.									
										Frames, riveted through Plates with 3/4 in. Rivets, about 5 1/2 apart.									
										Rivets, state whether of Iron or Steel.									
FRAMES extend in one length from middle line to gunwale & from hopper sides to gunwale																			
REVERSED FRAMES on floors and frames extend from middle line to upper turn of bilge & back alternately forward																			
Keel of hopper, in way of hopper across floors. double in 6 ft. 6 in. pumping space																			
MASTS, SPARS, &c.																			
LOWER MASTS...																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds																			
Sails																			
EQUIPMENT No. 12336 LETTER K										TONNAGE FOR TRAWLERS U.D.K.									
ANCHORS.																			
Number of Certificate																			
Anchors																			
Weight, Ex Stock																			
Weight of Stock																			
Test, per Certificate																			
Description of Anchor																			
Makers																			
Where and when tested and Superintendent																			
25623 1st Bower																			
25622 2nd "																			
25624 3rd "																			
Collective weight																			
25626 Stream																			
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