

STEEL STEAMER or MOTORSHIP.

Received at London Office 23 FEB 1926

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 now*Date of completion of report *20th February 1926*Port of *Leith*No. *16,872*Survey held at *Leith*Date First Survey *7th July 1925*Last Survey *17th February 1926*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Machinery Aft. Single Screw Hopper Barge "RUKAMAVATI"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *For Sucher also grab dragging*State Type of Erections *Navigation Bridge over Engine casing*TONNAGE under *395.36*Tonnage Deck... *16.19*Do. of Space or spaces between Tonnage Dk. and Upper Dk. *16.19*

Total

Gross Tonnage *411.55*Register Tonnage *143.01*CLASS *100A1* HOPPER BARGE FOR SERVICE IN THE GULF OF KUTCH.

State if with freeboard as condition of Class

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *139.5*Breadth (greatest moulded) *29.5*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *12.75*1st Longitudinal Number (L x D) *1778.62*2nd Numeral L x (B + D) *5893.87*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.50 in HOLD 10.25 ENG ROOM*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.94*Do. Long Bridge to top of keel *11.4*Draught Moulded to bottom of keel *11.5*Built at *Leith*Launched *15 December 1925* Yard No. *35*Builders *Henry Robb & Co*Owners *His Highness Maharao of Kutch (Maharao)*Managers *✓*

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

Residence *BHUT, India*Port of Registry *Bombay contemplated*

If surveyed while building, afloat, or in dry dock

while building

RED DIMENSIONS.

FEET.

*139.8**29.6**12.2*

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.
Spacing amidships	<i>22</i>		Bracket Floors, Frame		
" from $\frac{1}{2}$ length to Collision bulkhead	<i>22</i>		" " Reversed Frame		
" in peaks	<i>22</i>		" " Vertical Struts		
MINING.			Centre Girder, depth and thickness amidships		
midships, Angle, <i>Long</i>	<i>5 3 .36</i>		" " top Angles		
" Extends up to	<i>Upper Dk</i>		" " bottom Angles		
Frame Amidships, Angle	<i>2 1/2 2 1/2 .30</i>		Side Girders, No. each side and thickness		
" Extends up to	<i>double on Bearers FOR LENGTH OF FLOORS</i>		Margin Plate depth (excl. of flange) and thickness		
of Framing Girder	<i>5"</i>		" " Vertical Angle to Tank side		
in Uppermost Continuous 'tween Decks, Angle, [or [" " Bracket abaft $\frac{1}{2}$ len. from stem		
" Second 'tween Decks, Angle, [or [" " Vertical Angle to Tank side		
" Third " " " "			" " Bracket forward $\frac{1}{2}$ len. from stem		
ing in Peaks, Angle <i>or</i>	<i>4 2 1/2 3 1/4</i>		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
ter and Spacing of Rivets through Shell Plating	<i>7/8 3/4 join</i>		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		
Frame Joggled	<i>Joggled</i>		" Tank Side Brackets, height above base line at toe of Frame and thickness		
ARRANGEMENTS (Sec. 7), state system and particulars			INNER BOTTOM PLATING.		
THENING OF BOTTOM FOR.			Breadth and thickness of Middle Line Strake		
RD. State Particulars			Thickness of remainder in Holds		
BOTTOM.			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?		
Depth and thickness at midline	<i>ENG SPACE 15 .34</i>		BEAMS.		
Holds	<i>Boiler 15 .40</i>		Uppermost Continuous Deck, amidships	<i>6 x 3 x .32</i>	
Height of Brackets at side above base line at toe of frame	<i>15 .30</i>		" " in way of Bridge, Angle, [or [
Line Keelson, on Floors, Angles	<i>30</i>		Spacing	<i>22</i>	
" " Through Plate <i>or</i> Intercoastal Plate	<i>(2) 3 1/2 3 .30</i>		Second Deck, amidships, Angle, [or [
" " Foundation Plate on Floors	<i>.34 for 1/2 16 30</i>		Spacing		
" " Flat Plate Keel Angles	<i>(2) 12 .34 for 1/2 16 30</i>		Third Deck, amidships, Angle, [or [
Keelsons, No. each side	<i>3 1/2 3 1/2 .36</i>		Spacing		
" thickness of Intercoastal Plate	<i>ou</i>		Fourth Deck, amidships, Angle, [or [
" Angles	<i>.28</i>		Spacing		
LE BOTTOM.	<i>(1) 6 x 3 x .34 16 28</i>		Poop Deck, Angle, [or [
Floors, thickness and spacing			Spacing		
" Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or [
ket Floors, breadth and thickness at middle line			Spacing		
" breadth and thickness at margin plate			Forecastle Deck, Angle, [or [
			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.	
PILLARS, No. of Rows <i>in Hopper shall four 3 dia</i>						Stringer Plate, breadth and thickness in way of Bridge					
<i>(three to centre line)</i>						Thickness of Plating abreast Deck openings in way of Wells					
in 'tween Decks, Size and Spacing.....						Thickness of Plating abreast Deck openings in way of Bridge					
<i>in E space three on each side 3 dia</i>						If Sheathed, material and thickness					
in Holds <i>ford special strengthening in account of crane</i>						Third Deck.					
<i>in way of Chain locker</i>						Stringer Plate, breadth and thickness.....					
<i>centre line circumplate</i>						If Plated, state thickness.....					
Centre Line Bulkhead.						Fourth Deck.					
Stiffeners and Spacing.....						Stringer Plate, breadth and thickness.....					
Plating, thickness of						If Plated, state thickness					
STRINGERS AND DECKS.						Poop Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness					
Stringer Plate, breadth and thickness in Wells <i>42 32</i>						Plating, Sheathing, material and thickness ...					
" " " " in way of Bridge <i>✓</i>						Bridge Deck.					
" Angle in Wells <i>3 1/2 3 1/2 36</i>						Stringer Plate, breadth and thickness.....					
Thickness of Plating abreast Deck openings <i>Hopper</i>						Plating, Sheathing, material and thickness ...					
in way of Wells <i>42 32</i>						Forecastle Deck.					
Thickness of Plating abreast Deck openings						Stringer Plate, breadth and thickness.....					
in way of Bridge						Plating, Sheathing, material and thickness ...					
If Sheathed, material and thickness											
Second Deck.											
Stringer Plate, breadth and thickness in Wells...											

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.
FLAT PLATE KEEL	38	44	40	40		Double	3/4	3	Triple	3/4	5/8 lapped
" DBLG. (if any)									Double at ends		
BOTTOM PLATING, No. of Strakes	46	34	30	30		Single	5/8	2 1/2	Double	5/8	2 3/8 lapped
BILGE PLATING, No. of Strakes	54	34	30	30		"	5/8	2 1/2	"	5/8	2 3/8 "
SIDE PLATING, No. of Strakes	47	34	30	30		"	5/8	2 1/2	"	5/8	2 3/8 "
UPPER DECK, Sheer-strake in Wells.....	44	38	30	30		"	3/4	3	"	3/4	2 5/8 "
UPPER DECK, Sheer-strake in Bridge ...	✓										
STRAKE BELOW Sheer-strake in Wells.....	47	38	30	30		Single	3/4	3	Double	3/4	2 5/8 lapped
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING											
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING											

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *five* *(4)*" Deck next below *three*

As per Rule.

FORGINGS and CASTINGS.

		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		✓			
STEM			6 x 1 1/4		
STERN FRAME { Propeller Post <i> forged</i>			5 3/4 x 3 1/4		
{ Rudder "			5 1/2 x 3 1/4		
RUDDER—A x D			48.06		
Speed of Vessel			8 knots		
RUDDER mainpiece at head ...			4		
" " heel ...			3		
" how constructed			Forged Arms Keyed to main Piece		
" double or single plate			single plate		
" coupling, vertical or horizontal.....			none		
STEEL.					
Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>The Lanarkshire S.C.</i>					
<i>8 William Hardmore & Co. (O.H.)</i>					
Has the Steel been tested as required by the Rules? <i>yes</i>					

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EQUIPMENT No. <i>6027.745</i>										LETTER <i>98</i>	ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
<i>29082</i>	1st Bower ...	<i>8</i>	<i>1</i>	<i>21</i>	<i>Koch, con</i>			<i>10</i>	<i>12</i>	<i>2</i>	<i>0</i>	<i>as approved by the Surveyor 6 July 26</i>	<i>Brookwood. Per Willgoose</i>	<i>9-10-25</i>	<i>WHL</i>
<i>29083</i>	2nd " ...	<i>8</i>	<i>1</i>	<i>14</i>	<i>"</i>			<i>10</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>29080</i>	3rd " ...	<i>8</i>	<i>1</i>	<i>14</i>	<i>"</i>			<i>10</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>29081</i>	Collecting weight.	<i>8</i>	<i>1</i>	<i>14</i>	<i>"</i>			<i>10</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
	Stream														

CHAIN CABLES.										HAWERS 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.	Diam.	Statutory.	Break-ing.	Tons.	Cwts.	qrs.	lbs.	Per Rule.	Length.	Diam.		Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
<i>78280</i>	<i>120</i>	<i>1 5/16</i>	<i>15</i>	<i>16</i>	<i>23</i>	<i>14</i>	<i>5</i>	<i>4</i>	<i>1.0</i>	<i>as approved</i>	<i>54</i>	<i>"</i>	<i>54</i>	<i>"</i>	<i>54</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
<i>78279</i>	<i>120</i>	<i>1 5/16</i>	<i>15</i>	<i>16</i>	<i>23</i>	<i>14</i>	<i>5</i>	<i>4</i>	<i>1.0</i>	<i>as approved</i>	<i>34</i>	<i>"</i>	<i>34</i>	<i>"</i>	<i>34</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Iron Stream Chain or Steel Wire																			

Steering Gear, Steam *yes* Steering Gear, Hand *Tiller with uliving gear*

Boats *2 life boats wood* Steering Chains, Size and Test *5/8" fitted to L.R. requirements* Windlass *Emerson Walker two and Thompson*

Ceiling in Holds, thickness and material *in fore hold storage hold 2" pitch pine* 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 *"*

HENRY ROBB, LIMITED.

Builder's Signature

Robert Crawford Director

GENERAL DECLARATION *This Vessel has been built in accordance with the approved plans and in general conformity with the Rules. The material & workmanship are good. There is a windlass fitted at each end of Vessel, also 120 fathoms of anchor chain & two anchors at each end of Vessel. The approved plans (6) also 2 forging Reports are forwarded herewith, also copy of Certificate (27 Jan 1926) in connection with Steam Trial. The Hopper opening amidships is fitted with gales below and buoyancy tanks at sides of same. The Vessel is equipped for both "sucker" and "grain" dredging.*

The amount of Entry Fee £ *3.00* Fees applied for, *22-2-1926*

Freeboard *3.00*

Special Survey Fee.... £ *41.00*

Received by me, *1/3/26*

Travelling Expenses, if any £ *"*

State whether the Vessel has been built under Special Survey *Yes*

Certificate to be sent to *"* Date of issue *2/3/26*

I am of opinion the Vessel should be Classed *"100A" HOPPER BARGE* FOR SERVICE IN THE GULF OF KUTCH (Cargo battens not fitted)

ROBERT CHEETHAM and *Ernest Edwards* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 26 FEB 1926

Character assigned

100 A.H. Hopper Barge
For service in the Gulf of Kutch
+ L.M.C. 2:26
O.G.

Make R

My



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Lloyd's Register Foundation

21720

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

1st Bower *These particulars now not obtainable at this Port*
2nd " *regret record not retained*
3rd " *regret record not retained*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ 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 and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *1 Dth (steel)*

Official No. ; Signal Letters

If bottom of Vessel has been coated Inside *yes* give

particulars of composition *red lead paint*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capac Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank, <i>FW Tank Price</i>		<i>10</i>
Double bottom, if under Engines only,			Deep tank aft, <i>FW Tank Side</i>		<i>10</i>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
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. *1139*

Date *25 June 1925*

Dates of Surveys held while building

*1925 July 7. 14. 21. 24. 28.
Septem 3. 10. 15. 22. 30.
Nov 3. 4. 12. 25. 27.
Jan 8. 20. 21. 23. 25. 27. 29.*

*August 6. 13. 21. 28.
October 8. 16.
Decem 3. 5. 8. 9. 14. 21. 23. 25. 30.
Feb^{ry} 1. 5. 15. 17.*

Total No. of Visits *41*