

## STEEL STEAMER or MOTORSHIP.

Received at London Office

2 MAY 1928

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 *22<sup>nd</sup> April 1928*Port of *Glasgow*No. *47865*Survey held at *Graugemouth*Date First Survey *16<sup>th</sup> September 1927*Last Survey *19<sup>th</sup> April*

1928.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw Steamer "MIRANI"*

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

*Full Scantling*State Type of Erections *Pooh & Bridge Combined*TONNAGE under Tonnage Deck... *509.27*CLASS *100 A1*State if with freeboard as condition of Class *no*Built at *Graugemouth*Launched *7<sup>th</sup> March 1928* Yard No. *415*Builders *Graugemouth Bridge Co. Ltd*Owners *Burns, Philp & Co. Ltd.*

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

Residence *London*Port of Registry *London*If surveyed while building, afloat, *yes* in dry dock

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

Total *509.27*Gross Tonnage *738.92*Register Tonnage *381.16*

## REGISTERED DIMENSIONS.

Length *180'0*  
Breadth *31'0*  
Depth *11'6*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 180'0*  
Breadth (greatest moulded) *B 31'0*  
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 13'5*  
1st Longitudinal Number (L x D) = *2430*  
2nd Numeral L x (B + D) = *8010*  
Framing Depth "d," at middle of length. See Sec. 3 (1d) *11'0*  
Proportions—Depth to Length—Uppermost continuous deck to top of keel *18'5*  
Do. Long Bridge to top of keel *13'33*  
Draught Moulded *12'7 3/4*

## 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.
FRAMES, Spacing amidships	<i>22"</i>		Bracket Floors, Frame	<i>5 3 32</i>	
" " from 1/2 length to Collision bulkhead	"		" " Reversed Frame	<i>5 3 28</i>	<i>4 1/2 x 3 x 32</i>
" " in peaks	"		" " Vertical Struts	<i>5 3 28</i>	<i>4 1/2 x 3 x 32</i>
IDE FRAMING.			Centre Girder, depth and thickness amidships	<i>30 37</i>	
Frame Amidships, Angle, <i>E or F</i>	<i>5 3 39</i>		" " top Angles <i>Single</i>	<i>3 3 33</i>	
" " Extends up to <i>Upper Dk in fore hold, to Upper Dk and Bridge in alternate spaces</i>			" " bottom Angles	<i>3 3 37</i>	
" " <i>aft hold</i> " " <i>Pooh Dk</i>	<i>6 3 33</i>		Side Girders, No. each side and thickness	<i>one 28</i>	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	<i>25 31</i>	
" " Extends up to...			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>3 3 33</i>	
Depth of Framing Girder	<i>5" x 6"</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>3 3 33</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, <i>E or F</i>			" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>@ web frames</i>	
" " Third " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness	<i>36 32</i>	
Framing in Peaks, Angle <i>E or F</i>	<i>5 3 31</i>		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 7 dia</i>		Breadth and thickness of Middle Line Strake	<i>39 1/2 33</i>	
State if Frame Joggled	<i>yes</i>		Thickness of remainder in Holds	<i>29 28</i>	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Web frames and Stringers as per approved plan</i>		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?	<i>yes</i>	
LENGTHENING OF BOTTOM FORWARD. State Particulars	<i>additional intercostals and framing as per approved plan</i>		BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>6 3 42</i>	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, <i>E or F</i>		
Height of Brackets at side above base line at toe of frame			Spacing	<i>every frame</i>	
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			Second Deck, amidships, Angle, <i>E or F</i>		
" " Through Plate or Intercostal Plate			Spacing		
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <i>E or F</i>		
" " Flat Plate Keel Angles			Spacing		
Keelsons, No. each side			Fourth Deck, amidships, Angle, <i>E or F</i>		
" thickness of Intercostal Plate			Spacing		
" Angles			Pooh Deck, Angle, <i>E or F</i>	<i>6 3 38-36</i>	
DOUBLE BOTTOM.			Spacing	<i>6 3 25</i>	<i>every frame</i>
Floors, thickness and spacing	<i>28 alternate</i>		Bridge Deck, Angle, <i>E or F</i>	<i>6 3 42</i>	
" Are Frame and Reversed Frame joggled?	<i>yes</i>		Spacing	<i>alternate</i>	
Bracket Floors, breadth and thickness at middle line	<i>22 1/2 28</i>		Forecastle Deck, Angle, <i>E or F</i>	<i>6 3 38</i>	
" breadth and thickness at margin plate	<i>22 1/2 28</i>		Spacing	<i>alternate</i>	



PILLARS AND DECKS.									
		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.	
PILLARS, No. of Rows.....		one							
" in 'tween Decks, Size and Spacing.....									
" " " " " "									
" in Holds " " "									
" " " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing.....									
Plating, thickness of .....									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells.....		46 1/2 32							
" " " " in way of Bridge at Head.....		34 48							
" Angle in Wells.....		3 1/2 x 3 1/2 x 40-82							
Thickness of Plating abreast Deck openings in way of Wells.....		30							
Thickness of Plating abreast Deck openings in way of Bridge.....		30							
Thickness of Plating within line of openings.....		28							
If Sheathed, material and thickness.....		P.P. 2 1/2							
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.		State if joggled?	no		No. of Rows of Rivets.	RIVETS.		STRAIPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	RIVETS.					
								Diam.		Spacing cr. to cr.	Diam.		Spacing cr. to cr.
Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.			
FLAT PLATE KEEL .....	39½	¼6	¼2	¼2		Double	¾¼	3½	Treble	¾¼	2½	Lapped.	
„ DELG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes .....	2	36	32	33		Single	¾	3½	Double	¾	2½	Lapped.	
BILGE PLATING, No. of Strakes .....	1	36	32	34		„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes .....	2	36	32	32		„	„	„	„	„	„	„	
UPPER DECK, Sheer-strake in Wells.....	44	48	32			„	„	„	Treble	„	„	„	
UPPER DECK, Sheer-strake in Bridge ...	4	36	-	32		„	„	„	Double	„	„	„	
STRAKE BELOW Sheer-strake in Wells.....	7	44	32	-		„	„	„	Treble	„	„	„	
STRAKE BELOW Sheer-strake in Bridge ...	9	36		32		„	„	„	Double	„	„	„	
POOF SIDE PLATING .....				37-32		„	„	„	„	„	„	„	
BRIDGE SIDE PLATING ...		40			Mid thickness of A+B Strakes maintained & rule portion of Coll. B. Double.	„	„	„	Treble	„	„	„	
FOREC'TLE SIDE PLATING			26			„	5/8	2½	Single	5/8	2¼	„	



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 the Plans should be embodied.)

Gls Report 47557. 1/2 "Malake"

- ✓ (1) Midship section
- ✓ (2) Profile Decks
- ✓ (3) Multiple Punching of decks
- ✓ (4) Bulkheads
- ✓ (5) Panting & Strengthening of Bottom forward.
- ✓ (6) Stiffening in E & B space
- ✓ (7) Tunnel
- ✓ (8) Stern Frame & Rudders.
- ✓ (9) Engine seating
- ✓ (10) Pillar & Girders
- ✓ (11) Cast Steel Tiles
- ✓ (12) " " Quadrant
- ✓ (13) Pumping Plan
- ✓ (14) Masts

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

1st Bower *11.0.27. N.B., 3422, 13.12.27*  
2nd " *11.0.16. R.W.F. 6720, 23.12.27*  
3rd " *9.2.12. K.H. 4946, 30.9.27.*

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *ft., 29.0*, Bridge *ft., 29.0*, Forecastle *ft., 29.0*.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *The Poop is joined to the Bridge deck.*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 Deck (SHE) wood sheathed.*

Official No. *160406*; Signal Letters

Is bottom of Vessel coated with cement *yes.* if not

particulars of composition

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>29.33</i>	<i>36</i>	Fore peak tank,	<i>12.0</i>	<i>15</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>9.16</i>	<i>20</i>
Double bottom, if under Engines only,	<i>14.67</i>	<i>27</i>	Deep tank, aft,		
Double bottom, under Boilers only, <i>W.T. compartment</i>	<i>20.16</i>	<i>DRY TANK</i>	Deep tank, forward,		
Double bottom, forward,	<i>84.33</i>	<i>125</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>188</i>	(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. *5856*

Date *12.7.27*

Dates of Surveys held while building

*1927 Sep 10. 22. 29 Oct 6. 10. 13. 14. 17. 20. 25. 31 Nov. 14. 15. 22. 25. 28 Dec 2. 8. 16. 20. 27 1928 Jan 5. 12. 27 Feb 7. 10. 13. 15. 17. 22. 24 Mar 1. 6. 7. 15. 21. 23 Apr 4. 11. 19*

Lloyd's Register Foundation

Total No. of Visits *44*