

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

SEP 27 1938

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 *23rd September 1938*Port of *Oslo*No. *5154*Survey held at *Fredrikstad*Date First Survey *25th February 1938*Last Survey *6th September*

1938.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *single screw steamer "K. G. MELDAHL"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete superstructure with tonnage opening aft*State Type of Erections *forecastle*TONNAGE under Tonnage Deck... *3077*CLASS *100 A 1*State if with freeboard as condition of Class *Yes*Built at *Fredrikstad*

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

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 109.12*Launched *14th July 1938* Yard No. *289*Breadth (greatest moulded) *B 17.37*Builders *Frederikstad Met. Versted*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 10.67*Owners *K. K. Rasmussen & Sønner A/S*

Total

Gross Tonnage *3799*Net Register Tonnage *2194*1st Longitudinal Number (L x D) *= 1048.6*Managers *K. K. Rasmussen*2nd Numeral L x (B + D) *= 2944.1*

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

Framing Depth "d." at middle of length. See Sec. 3 (1d) *6.16 m*Residence *Sandefjord*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.2*Port of Registry *Sandefjord*

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Draught Moulded *22'-3"**while building and afloat.*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. mm.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	730	✓	<b>Bracket Floors, Frame</b>	7' 3 1/2" 33"	✓
" " from 1/2 length amidships to Collision bulkhead	685	✓	" " Reversed Frame	6' 3" 38"	✓
" " in peaks	610	✓	" " Vertical Struts	6' 3" 38"	✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	1000 12.5	✓
Frame Amidships, Angle, E or F	10" 3 1/2" 50"	✓	" " top Angles	3 1/2 3 1/2 44	✓
" " Extends up to	Upper deck	✓	" " bottom Angles	4 4 50	✓
<b>Reversed Frame Amidships, Angle</b>			<b>Side Girders, No. each side and thickness</b>	one 10 1/2	✓
" " Extends up to			<b>Margin Plate depth (excl. of flange) and thickness</b>	830 12.25	✓
<b>Depth of Framing Girder</b>	10"	✓	" " Vertical Angle to Tank side	3 3 42	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b>	6" 3 1/2" 50"	✓	" " Bracket abaft 1/2 len. from stem	3 3 42	✓
" " <b>Second 'tween Decks, Angle, E or F</b>			" " Vertical Angle to Tank side	5 5 42	✓
" " <b>Third " " " "</b>			" " Bracket from forward 1/2 len. from stem to Panting Area	5 5 42	✓
" " <b>from 1/2 len. for'd. to 15% len. from Stem</b>	10 3 1/2 50	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	cont. pl. 9.5	✓
" " <b>in Peaks, Angle, E or F</b>	7" 3 1/2" 36"	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	9.5	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	22m. 145	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	1575 10	✓
<b>State if Frame Joggled</b>	Yes	✓	<b>INNER BOTTOM PLATING.</b>		
Are the scantlings and arrangements in the <b>Panting Area</b> in accordance with the Rules and/or as approved?	Yes	✓	Breadth and thickness of Middle Line Strake	2000 11.5 10	✓
Are the scantlings and arrangements in way of the <b>Bottom Forward</b> in accordance with the Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds	10.25	✓
<b>SINGLE 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?	Yes	✓
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame			<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or F</b>	9" 3 1/2" 40"	✓
<b>Middle Line Keelson, on Floors, Angles, E or F</b>			" " in way of Bridge, Angle, E or F	9" 3 1/2" 38"	✓
" " Through Plate or Intercostal Plate			Spacing	every ft.	✓
" " Foundation Plate on Floors			<b>Second Deck, amidships, Angle, E or F</b>	10" 3 1/2" 44"	✓
" " Flat Plate Keel Angles			Spacing	every ft.	✓
<b>Side Keelsons, No. each side</b>			<b>Third Deck, amidships, Angle, E or F</b>		
" " thickness of Intercostal Plate			Spacing		
" " Angles			<b>Fourth Deck, amidships, Angle, E or F</b>		
<b>DOUBLE BOTTOM.</b>			Spacing		
<b>Solid Floors, thickness and spacing</b>	9.5 every 44 ft.	✓	<b>Poop Deck, Angle, E or F</b>		
" " Are Frame and Reversed Frame joggled?	Yes	✓	Spacing		
<b>Bracket Floors, breadth and thickness at middle line</b>	750 9.5	✓	<b>Bridge Deck, Angle, E or F</b>		
" " breadth and thickness at margin plate	1360 9.5	✓	Spacing		
			<b>Forecastle Deck, Angle, E or F</b>	8" 3" 36"	✓
			Spacing	every ft.	✓



## PILLARS AND DECKS.

	mm 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> <i>unspaced</i>					
" at frames N° 27, 35, 84, 92	320 x 130 x 10 6" x 3 3/4" x 3/8"	[✓]	Stringer Plate, breadth and thickness in way of Bridge .....	- - 9.5	✓
" " in 'tween Decks, Size and Spacing....	320 x 130 x 10 9 x 3 x 1/4"	[✓]	Thickness of Plating abreast Deck openings in way of Wells .....	- - 8.5	✓
" " at frames 71 & 139	200 x 200 x 1/16 I	[✓]	Thickness of Plating abreast Deck openings in way of Bridge .....	- - 9.5	✓
" " " 103 - 107	180 x 180 x 9/16 I	[✓]	Thickness of Plating within line of openings...	- - 8	✓
" " in Holds, at frame N° 16	350 x 320 x 1 1/8 I	[✓]	If Sheathed, material and thickness .....	- - -	
" " " 27 - 84	380 x 350 x 1 1/16 I	[✓]	<b>Third Deck.</b>		
" " " 35 - 92-128	430 x 380 x 2 1/16 I	[✓]	Stringer Plate, breadth and thickness.....	- - -	
" " " 120	450 x 380 x 2 1/16 I	[✓]	If Plated, state thickness.....	- - -	
<b>Centre Line Bulkhead.</b>			<b>Fourth Deck.</b>		
Stiffeners and Spacing... <i>in deep tanks only</i>	340 x 14 x 1 130 x 25 x 1/2	T30. [✓]	Stringer Plate, breadth and thickness.....	- - -	
Plating, thickness of .....	10.5 8	[✓]	If Plated, state thickness .....	- - -	
<b>STRINGERS AND DECKS.</b>			<b>Poop Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness .....	- - -	
Stringer Plate, breadth and thickness in Wells	- 175.5 14	[✓]	Plating, Sheathing, material and thickness ...	- - -	
" " " " in way of Bridge	- 175.5 16	[✓]	<b>Bridge Deck.</b>		
" Angle in Wells .....	- - -		Stringer Plate, breadth and thickness.....	- - -	
Thickness of Plating abreast Deck openings in way of Wells .....	- - 10.5	[✓]	Plating, Sheathing, material and thickness ...	- - -	
Thickness of Plating abreast Deck openings in way of Bridge house.....	- - 10.5 9	[✓] [✓]	<b>Forecastle Deck.</b>		
Thickness of Plating within line of openings...	- - 9	[✓]	Stringer Plate, breadth and thickness.....	- - -	
If Sheathed, material and thickness .....	- - -		Plating, Sheathing, material and thickness ...	- - -	
<b>Second Deck.</b>			Stringer Plate, breadth and thickness.....	- - -	
Stringer Plate, breadth and thickness in Wells...	- 1790 9.5	[✓]	Plating, Sheathing, material and thickness ...	- - -	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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 .....	1250	17.25 ✓	15.25 ✓	15.25 ✓		Double	22	90	welded	-	-	Butt weld	
„ DELG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes ..... 3 .....	2400	13.25 ✓	14.5 ✓	11.5 ✓		Double	22	90	welded	-	-	Butt weld.	
BILGE PLATING, No. of Strakes ..... 1 .....		13.25 ✓	18.5 ✓	11.5 ✓		Double	22	90	three	22	80	lapped	
SIDE PLATING, No. of Strakes ..... 4 .....	2155	13.25 ✓	18.5 ✓	11 ✓		Double	22	90	three	22	80	lapped	
UPPER DECK, Sheer- strake in Wells.....	-	-	-	-		-	-	-	-	-	-	-	
LOWER DECK, Sheer- strake in Bridge ...	2155	1600 ✓	11.0 ✓	11.0 ✓		Double	22	90	Four.	22	90	lapped	
STRAKE BELOW Sheer- strake in Wells.....	-	-	-	-		-	-	-	-	-	-	-	
STRAKE BELOW Sheer- strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-	
POOP SIDE PLATING .....	-	-	-	-		-	-	-	-	-	-	-	
BRIDGE SIDE PLATING ...	-	-	-	-		-	-	-	-	-	-	-	
FOREC'TLE SIDE PLATING	-	-	10.0 ✓	-		single	19	75	two	19	65	lapped.	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)										
" Deck next below ✓										
As per Rule										
STIFFENERS.						Plating Thickness. mm.	STIFFENERS.			
							VERTICAL.		HORIZONTAL.	
							Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						9 ✓	4" x 3" 36 ✓	720 ✓	—	—
" " Second "						—	—	—	—	—
" " Third "						—	—	—	—	—
" " Holds						9-6.5	9 x 4.5 E.W. 9	732 ✓	—	—
COLLISION " (in Hold) .....						13-9.5	7 x 3.5 9 E.W.	610 ✓	—	—
AFTER PEAK " " .....						8-7.5	6 x 3 x 4.6 2 E.W. 10 x 5.0 P.E.W.	610 ✓	—	—
KEEL, Bar .....						—	—	—	—	—
STEM .....						Plates, 26 mm. welded	—	—	—	—
STERN FRAME { Propeller Post .....						Casting	—	400 x 270	—	—
{ Rudder " .....						—	—	—	—	—
Speed of Vessel .....						—	11.5 knots	—	—	—
RUDDER—Type .....						Balanced, double pl.	—	—	—	—
" A x D .....						—	—	F.M.V.	—	—
" Diam. of head .....						forging	285	—	—	—
" Mainpiece at top pintle .....						—	150 x 261	—	—	—
" " heel ...						—	150 x 170	—	—	—
" how constructed .....						blch. welded, int. stiff.	—	—	—	—
" double or single plate .....						Double 12	—	—	—	—
" coupling, vertical or horizontal .....						vertical	—	—	—	—

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Chiller Ltd., Consett Iron Co Ltd., Entloppungsbütte, Huta Pohj S. a., Société Anon. d'Angleur Athus.  
Dorman & Long Co Ltd.

Has the Steel been tested as required by the Rules?

Yes. ✓







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.)

frame and rudder, boiler room and pumping arrangements are also forwarded, as these have only been submitted previously for the sister vessel No 287, "Viva".  
A letter from the owners regarding the omission of the intermediate bulkhead in the after hold is enclosed herewith ✓

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of bottom plating within double bottom tanks, ✓  
W.T. bulkheads, tunnel, deck houses, rudder ✓  
The welding has been carried out to our satisfaction, by recognised welders, with approved electrodes.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book with freeboard.  
Strengthened for navigation in ice ✓ Rudder electrically welded leave out.  
Part electrically welded, including butts of keel and bottom plating ✓  
electrically welded

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	28.340 - W.H. 6949, 4/12/37
	2nd "	29.019 - W.H. 6950, 26/11/37
	3rd "	28.117 - J.R.M. 4833, 10/5/35

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 23'-6 1/4"  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓  
Official No. ✓ Signal Letters L.J.Y.U. Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 116.82 m. ✓  
No. and Material of Decks 1 deck and shelter deck ✓ steel  
Parts of Bottom of Vessel coated with cement or approved composition Cement w.d. b. tanks in way of E.R., & in peak tanks: ✓  
pt. cem.  
Particulars of composition (if fitted) and of approval ✓

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	91'-0 1/8	273	Fore peak tank,	18'-11"	212.0 ✓
Double bottom, under Engines and Boilers,			After peak tank,	20'-0"	233.0 ✓
Double bottom, if under Engines only,	16'-9 1/4	73.5	Deep tank, aft, amidships { at centre	28'-9"	1094.0 ✓
Double bottom, if under Boilers only,			Deep tank, forward,	35'-11"	
Double bottom, forward,	192'-10 3/16	723.5	Other tanks, if fitted,		
Total length (if continuous) and Capacity	300'-7 1/16	1070.0	(If necessary, furnish further information by sketch.)		

Order for Special Survey No.

Date 25/2/37

1938  
Dates of Surveys held while building

25/2 - 2/3 - 29/3 - 6/4 - 20/4 - 25/4 - 2/5 - 9/5 - 3/6 - 9/6 - 11/6 - 14/6 - 20/6 - 24/6  
28/6 - 1/7 - 4/7 - 9/7 - 14/7, launched. 2/8 - 9/8 - 16/8 - 17/8 - 27/8 - 2/9 - 5/9 - 6/9

Lloyd's Register  
Foundation  
Total No. of Visits 27