

STEEL STEAMER or MOTORSHIP

15 AUG 1936

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **NO**State if Report is sent on the Machinery of the Vessel **YES**Date of completion of report **29th JULY 1936**Port of **BREMEN**No. **1811**Survey held at **WEERMÜNDE AND BREMEN**Date First Survey **22nd JANUARY 1936**Last Survey **23rd JULY**

1936

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

STEEL S.S. STEAM TRAWLER "NORTHERN DAWN" (LO 136)

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

FULL SCANTLINGState Type of Erections **FORECASTLE**

TONNAGE under Tonnage Deck

530.57CLASS **100 A 1**
STEAM TRAWLERState if with freeboard as condition of Class **NO**

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

Total

Gross Tonnage

654.79

Register Tonnage

243.02REGISTERED DIMENSIONS.
FEET.

Length

188.1

Breadth

28.15

Depth

15.5

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

184.4

Breadth (greatest moulded)

B 28.0

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

D 16.5

1st Longitudinal Number (L x D)

= 3043

2nd Numeral L x (B + D)

= 8164

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

26.3

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

11

Do. Long Bridge to top of keel

Draught Moulded

Built at **WEERMÜNDE AND BREMEN**Launched **20th JUNE 1936** Yard No. **548**Builders **DESCHIMAG, WERK SEEBECK AND WERK A. G. WEIER.**Owners **MAC LINE LTD.**Managers **E. D. W. LAWFORD.**

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

Residence **FLEETWOOD**Port of Registry **LONDON**

If surveyed while building, afloat, or in dry dock

WHILE BUILDING AND AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	570		Bracket Floors, Frame	130 75 8	
" " from $\frac{3}{8}$ length to Collision bulkhead	545	<i>also see plans</i>	" " Reversed Frame	115 65 8	
" " in peaks FORWARD 0.5 L	470		" " Vertical Struts	160 65 9	
SIDE FRAMING. IN BUNKERS, E & B ROOM	150 75 9		Centre Girder, depth and thickness amidships	940 x 8	
Frame Amidships, Angle, IN PEAKS AND TANKS	130 75 10-9		" " top Angles	NO. FLANGED 70	
" " Extends up to	UPPER DECK		" " bottom Angles	NO. WELDED ON KEEL	
Reversed Frame Amidships, Angle	✓		" " ANGLES TO FLOORS	75 75 7.5	
" " Extends up to	✓		Side Girders, No. each side and thickness	NONE	
Depth of Framing Girder	150 ~ 130		Margin Plate depth (excl. of flange) and thickness	650 x 7.5	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	75 75 7.5	
" " Second 'tween Decks, Angle, [or [✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	75 75 7.5	
" " Third	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	NONE	
Framing in Peaks, Angle	130 75 10-9		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	195 - 7d		Tank Side Brackets, height above base line at toe of Frame and thickness	1200	
State if Frame Joggled	NO		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	FRAME SPACING 4" LESS THAN AMIDSHIPS. 3 BOTTOM STRAKES OF 13.5" THICKNESS. SOLID FLOORS ON 1/4 L AND FRAME RIVETS 5/16" d APART.		Breadth and thickness of Middle Line Strake	1450 x 7.5	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Thickness of remainder in Holds	7.5	
SINGLE 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?	YES	
Floors, Depth and thickness at mid-line in BUNKER AND BOILER ROOM	520 x 10		BEAMS. IN FUN ROOM	130 75 10	
Height of Brackets at side above base line at toe of frame	520	<i>as built</i>	IN BUNKER	165 75 9.5	
Middle Line Keelson, on Floors, Angle, [or [320 x 100 x 14 ~ 16.5		IN ENGINE & BOILER ROOM	130 65 10	
" " Through Plate or Intercoastal Plate	✓		Uppermost Continuous Deck, amidships	140 65 9	
" " Foundation Plate on Floors	✓		IN ACCOMMODATIONS in Wells, Angle, [or [130 65 8	
" " Flat Plate Keel Angles	✓		Spacing	2 FRAME JAGS	
Side Keelsons, No. each side	ONE		Second Deck, amidships, Angle, [or [✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angle SINGLE	130 90 13		Third Deck, amidships, Angle, [or [✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	7.5 x 1635		Fourth Deck, amidships, Angle, [or [✓	
" " Are Frame and Reversed Frame joggled?	NO		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	400 x 8	<i>as built</i>	Poop Deck, Angle, [or [✓	
" " breadth and thickness at margin plate	400 x 7.5		Spacing	✓	
			Bridge Deck, Angle, [or [✓	
			Spacing	✓	
			Forecastle Deck, Angle, [or [130 65 8	
			Spacing	940	

PILLARS AND DECKS.									
		IN SHIP.	Any Departure from Approved Plans to be Noted.			IN SHIP.	Any Departure from Approved Plans to be Noted.		
PILLARS, No. of Rows.									
One Row: Forecastle & Forward Tumble Deck.									
Two Rows: Accommodation Aft.									
Four Rows: Fish Room.									
in 'tween Decks, Size and Spacing...		60' 70' 75' 1880 AND 2280		Thickness of Plating about Deck openings in way of Well		6.5			
in Fish Room.		65' 40' 150' 8' 1090 APART		Thickness of Plating abreast Deck openings in way of Bridge					
Centre Line Bulkhead, IN BUNKER				Thickness of Plating within line of openings...					
Stiffeners and Spacing...		150 75 9 1140 APART		If Sheathed, material and thickness		PARTLY 50			
Plating, thickness of		7.5 ~ 6.5		Third Deck.					
Stringer Plate, breadth and thickness		980 x 10		Stringer Plate, breadth and thickness					
in way of Bridge				If Plated, state thickness					
Angle in Well		75 75 10		Fourth Deck.					
Thickness of Plating abreast Deck openings in way of Well		7.5		Stringer Plate, breadth and thickness					
Thickness of Plating abreast Deck openings in way of Bridge				If Plated, state thickness					
Thickness of Plating within line of openings		7.5 ~ 6		Poop Deck.					
If Sheathed, material and thickness		PITCH PINE 75		Stringer Plate, breadth and thickness					
Second Deck.				Plating, Sheathing, material and thickness					
Stringer Plate, breadth and thickness in Well		600 x 7.5		Bridge Deck.					
				Stringer Plate, breadth and thickness					
				Plating, Sheathing, material and thickness					
				Forecastle Deck.					
				Stringer Plate, breadth and thickness		700 x 7.5			
				Plating, Sheathing, material and thickness		PLATING 8-7 1/2 WITHOUT SHEATHING			

SHELL PLATING.												
SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>Yes</i>		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	Rivets.		No. OF ROWS OF RIVETS.	Rivets.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	<i>in/in</i>	<i>in/in</i>	<i>in/in</i>	<i>in/in</i>			<i>in/in</i>	<i>in/in</i>		<i>in/in</i>	<i>in/in</i>	
Base Plate KEEL STRAKE	1010	12.5	13.5	11.5	/	DOUBLE	19	81-90	THREE	19	66	LAPPED
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes <i>1 M.C.</i>	1600	11	13.5	11	/	DOUBLE	19	81-90	TWO	19	66	LAPPED
BILGE PLATING, No. of Strakes <i>ONE</i>	1630	11	13.5	10	/	DOUBLE	19	81-90	TWO	19	66	LAPPED
SIDE PLATING, No. of Strakes <i>ONE</i>	1640	11	13.5	10	/	DOUBLE	19	81-90	TWO	19	66	LAPPED
UPPER DECK, Sheer- strake in Wells	1630	15	10	10	/	DOUBLE	22	95	THREE	22	77	STRAPPED
UPPER DECK, Sheer- strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- strake in Wells	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
FOREC'TLE SIDE PLATING	1200	✓	8-7.5	✓	/	SINGLE	16	75	ONE	16	68	LAPPED.

WATERTIGHT BULKHEADS.						FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel— 5						Casting or Forging.		Scantlings. m/m	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) THREE						KEEL, Bar		FORG.	200x40	DORTMUND HOERDER HÜTTENVEREIN
" Deck next below TWO						STEM		FORG.	200x40	WERK HÖRDE
As per Rule YES, AS APPROVED.						STERN FRAME		Propeller Post	CRITING	APPROVED
								Rudder	" "	GRISON & CO. WAGERSBURG BUCKING
						Speed of Vessel		12 KNOTS		
						RUDDER—Type		JEEBECK RUDDER		
						" A x D		164.3	J. WUMERVANN LEVERNHEUSEN-SCHNEEBUSCH.	
						" Diam. of head		FORGING 180		
						" Mainpiece at top pintle				
						" heel				
						" how constructed		AS PER APPROVED PLAN	BY DESCHIMAS WERK A.G. WIEBER	
						" double or single plate		DOUBLE PLATES 10		
						" coupling, vertical or horizontal		COUPLING HORIZONTAL.		

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.)

Feed water and fresh water have been hydr. tested with a head of water up to the main deck and found tight and good. The material and workmanship of wood decks and fish room insulation have been surveyed while building and were found satisfactory. The anchors and chain cables, placed on board, have been compared with the certificates and found in order. The general equipment has been examined and were found satisfactory. The windlass, steering gear and watertight bulkhead door have been examined under working condition and found in order.

Attached: 1 Intrins Certificate
4 Forging and Casting Certificates.
1 Plan of Midship Section as built. (under Sep. Cms.)

Notes: The approved plans of this vessel are retained for the use in connection with sister vessels.

The hull has been built at the yard of Messrs. Derschmager & G. Weser, Bremen, and has been completed at the yard of Messrs. Derschmager & W. Sebeck, Wesermünde.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN.

LLOYD'S A & C.P.

VESSEL FITTED WITH "WIRELESS" AND "DIRECTION FINDING APPARATUS."
" " " "ECHO SOUNDING APPARATUS."

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

1st Bower HEAD: 9:0:16-NS-1236-26.5.36-15'; SHANK: 3:2:0-NS-1243-26.5.36-15'. ANNEALED CAST STEEL
2nd " HEAD: 8:0:4-NS-1231-26.5.36-15'; SHANK: 3:2:0-NS-1251-26.5.36-15'. ANNEALED CAST STEEL
3rd " ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 24.7 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓
30-8
See letter

No. and Material of Decks ONE DECK OF STEEL COMPLETELY SHEATHED, 3" PITCH PINE.

Official No. ✓; Signal Letters ✓ Is bottom of vessel coated with cement YES if not give particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank, TWO COMPARTMENTS, TOGETHER	15.35	43.5
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	9.35	8.0
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward, FEEDWATER + FRESHWATER (3 DOUBLE BOTTOM TANKS)	52.2	66.0	Other tanks, if fitted, 4 LIVER OIL TANKS, AFT. 3 AT FRAMES 7-13 (If necessary, furnish further information by sketch.)	11.2	20.0
Total capacity of double bottom	66.0	66.0		✓	✓

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 51

Date 5th NOVEMBER 35

Dates of Surveys held while building

JAN. 22, 24, 30; FEBR. 1, 4, 10, 14, 15, 17, 19, 26, 28; MARCH 2, 5, 9, 11, 16, 19, 23, 25, 27, 30; APRIL 1, 3, 4, 8, 14, 17, 20, 21, 25, 27, 29; MAY 2, 5, 6, 8, 12, 13, 16, 20, 23, 25, 27, 29, 30; JUNE 3, 4, 6, 8, 10, 11, 13, 16, 17, 19, 20, 24; JULY 1, 3, 17 AND 23.

Total No. of Visits 62