

STEEL STEAMER or MOTORSHIP.

Received at London Office 19 JUN 1930

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

11th June 1930Port of Copenhagen

No. 8271

Survey held at

Copenhagen

Date First Survey

7th October 1929

Last Survey

10th June

1930

On the

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

Twin screw motorship "THERMOPYLAE"

State Type

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

complete superstructure with tonnage openingsState Type of Erections Keel and Poop

TONNAGE under Tonnage Deck

5970.02

CLASS

* 100 A-1.

State if with freeboard as condition of Class

Yes

Built at

Copenhagen

Launched

5th April 1930

Yard No. 569

Builders

A/S Burmeister and Wain

Owners

As Den Norske Afrika og Australielinie

Managers

(Wilhelm Wilhelmsen)

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

Residence

Port of Registry

Tönsberg

If surveyed while building, afloat, or in dry dock

While building, afloat, and on bottom.

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

Total

Gross Tonnage

6654.93

Register Tonnage

4087.98

REGISTERED DIMENSIONS.

FEET.

Length

461.4

Breadth

60.6

Depth

29.0

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

L 460.0

Breadth (greatest moulded)

B 60.37

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

D 42.91

1st Longitudinal Number (L x D)

= 18207

2nd Numeral L x (B + D)

= 45977

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

18.25

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

10.72

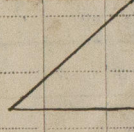
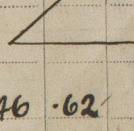
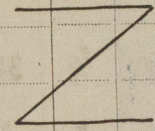
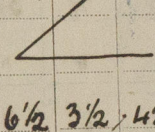
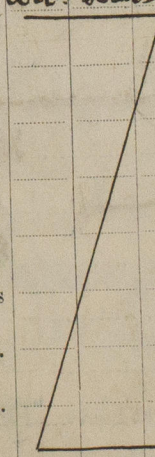
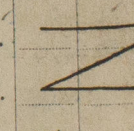
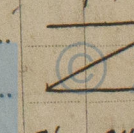
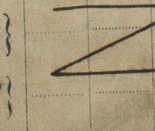
Do. Long Bridge to top of keel

✓

Draught Moulded

26' 11"

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	33		Bracket Floors, Frame		
" " from 1/3 length to Collision bulkhead	27		" " Reversed Frame		
" " in peaks	24		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46 x 62	
Frame Amidships, Angle, E or C	11 1/2 3 1/2 48		" " top Angles	Double 3 1/2 3 1/2 56	
" " Extends up to	Second deck		" " bottom Angles	5 5 66	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	2 44	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	39 x 56	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 48	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	6 1/2 3 1/2 42		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 48	
" " Second 'tween Decks, Angle, E or C	11 1/2 3 1/2 48		" " Gussets, spacing and scantling abaft 1/2 len. from stem	CONTINUOUS GUSSET PLATE	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	30" x 48	
Framing in Peaks, Angle or C	8 3 1/2 42		Tank Side Brackets, height above base line at toe of Frame and thickness	72 x 50	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5/4		INNER BOTTOM PLATING.		
State if Frame Joggled	1/42		Breadth and thickness of Middle Line Strake	56 x 56	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	4 WED. FRAMES 36 1/2" x 40		Thickness of remainder in Holds	48	
FACE BAR ON WEBS	3 SIDE STRINGERS 36 1/2" x 36		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?	✓	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	8 x 3 1/2 x 45 3 1/2 x 3 1/2 x 50 1 EXTRA INT 1/2 HT. 3 STRAKES BOTTOM PLATING 47 TO COLL. BULKH.		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	8 3 1/2 50	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or C	✓	
Height of Brackets at side above base line at toe of frame			Spacing	33	
Middle Line Keelson, on Floors, Angles, E or C			Second Deck, amidships, Angle, E or C	9 1/2 3 1/2 46	
" " Through Plate or Intercoastal Plate			Spacing	33	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or C	9 3 1/2 40	
" " Flat Plate Keel Angles			Spacing	33	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C	6 1/2 3 36	
DOUBLE BOTTOM.			Spacing	EVERY	
Solid Floors, thickness and spacing	44 EVERY		Bridge Deck, Angle, E or C		
" " Are Frame and Reversed Frame joggled?	Yes		Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or C	7 1/2 3 1/2 42	
" " breadth and thickness at margin plate			Spacing	every	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	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.....	TWO-BUILT TUBULAR.						
UPPER.							
in/tween Decks, Size and Spacing.....	7 1/2" x 40	7" x 40					
SECOND.							
" " " " " "	14" x 54	11" x 42					
in Holds	20" x 66						
" " " " " "	14 1/2" x 58						
Centre Line Bulkhead.							
Stiffeners and Spacing.....	7 1/2" x 3	40" (suplens)					
Plating, thickness of	30						
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	64" x 64	64" x 58"					
" " " " " in way of Bridge	✓						
" Angle in Wells	6	6	58				
Thickness of Plating abreast Deck openings in way of Wells	64	58					
Thickness of Plating abreast Deck openings in way of Bridge	✓						
Thickness of Plating within line of openings...	42						
If Sheathed, material and thickness	✓						
Second Deck.							
Stringer Plate, breadth and thickness in Wells...	50" x 44						
Stringer Plate, breadth and thickness in way of Bridge	✓						
Thickness of Plating abreast Deck openings in way of Bridge	✓						
Thickness of Plating within line of openings...	42						
If Sheathed, material and thickness	✓						
Third Deck.							
Stringer Plate, breadth and thickness.....	50" x 38						
If Plated, state thickness.....	32						
Fourth Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness							
Poop Deck.							
Stringer Plate, breadth and thickness	38" x 38						
Plating, Sheathing, material and thickness	26-22	22	22	22	22	22	22
Bridge Deck.							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness							
Forecastle Deck.							
Stringer Plate, breadth and thickness.....	36" x 36						
Plating, Sheathing, material and thickness	34						

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	55	.85	.75	.75	Owners extras.	Double	1	4	Your	1	4	Lapped	
" DBLG. (if any)	✓				sheer strake, strake								
BOTTOM PLATING, No. of of Strakes4.....	78	.67	.92	.52	below, upper dk	Double	7/8	3 1/2	Your	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes2.....	64	1-.67	.92	.54	stringer plates and	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes4.....	78	1-.66	2-.92	.49	strength elements	"	"	"	Keble	7/8	3/8	"	
UPPER DECK, Sheer- strake in Wells.....	78	.66	2-.49	.49	1 upper deck plates	"	"	"	Your	1	4	"	
UPPER DECK, Sheer- strake in Bridge ...	72	.79	.54	.54	increased 10%.	"	"	"					
UPPER DECK, Sheer- strake in Bridge ...	✓	✓			shell plating from								
STRAKE BELOW Sheer- strake in Wells.....	73	.77	.54	.54	stem to 15% of vessel	Double	7/8	3 1/2	Your	7/8	3 1/2	Lapped.	
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓			length from stem			3" (per letter)					
POOP SIDE PLATING40	and from 2' below	Single	3/4	4 1/8	Double	3/4	2 7/8	Lapped.	
BRIDGE SIDE PLATING ...	✓	✓			light line to 2'			3"					
FORECASTLE SIDE PLATING			.42		above load w.l.	Single	3/4	4 1/8	Double	3/4	2 7/8	Lapped	
					increases in thickness			3"					
					by 40%.								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7
Extending to Upper Deck (Sec. 3 c)	1 (Collision bulkhead)
" Deck next below	6
As per Rule	7

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Uppertween decks	✓				
" " Second	27	52	24	40	30
" " Third					
" " Holds	27-40	10	34	48	30
COLLISION (in Hold)	35-58	9	34	50	24
AFTER PEAK	30-50	8	34	40	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Forging			
STERN FRAME	Propeller Base	AS PER APPROVED PLAN.	STRÖMMENS	VERKSTED.
	Rudder			
RUDDER—A x D	790			
Speed of Vessel	14 1/2 KNOTS			
RUDDER mainpiece at head	FORGING	13"	BURMEISTER	
" " heel	"	9 3/4"	MAIN	
" how constructed	SIX FORGED STEEL ARMS SHRUNK ON AND KEVED TO MAIN PIECE			
" double or single plate coupling, vertical or horizontal	SINGLE	1-14		

STEEL.

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

PLATES:—The Steel Company of Scotland; Vereinigte Stahlwerke.
SECTIONS:—David Colville & Sons Ltd; Gutehoffnungshütte

Has the Steel been tested as required by the Rules? Yes.

Open Hearth process.

Lloyd's Register Foundation

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.)

The approved plans are being retained in this office for reference in dealing with the same Builders yard N^o 572, which is to be a sister vessel.

The following certificates are enclosed—

Stem frame N^o 303.
Shaft brackets N^o 315.
Rudder head N^o 9000
Quadrant. N^o 688
Stem N^o 8756
1 Tiller N^o 3118
Rudder mainpiece and six arms N^o 9001.

Plans of midship section and profile and Decks (as built) forwarded herewith.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Anchor head	51-3-27	M.B.	4096	23.9.29	Anchor Shank	27-3-3	M.B.	655	23.9.29
	2nd "	"	51-1-0	M.K.	95	26.9.29	"	27-3-23	M.B.	656	"
	3rd "	"	51-0-8	M.B.	4097	23.9.29	"	27-3-10	M.B.	654	"
	Stream	"	20-0-5	M.B.	4098	23.9.29	"	10-3-25	M.B.	657	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45.67 ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 40.83 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK (STL) & SHUTT DK (STL)
3RD DK (STL) IN FORWARD HOLDS.

Official No. ; Signal Letters L. H. W. S. Is bottom of Vessel coated with cement No. if not give particulars of composition Fore and after peaks cemented.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. OIL Tons. WATER Tons.	Where Fitted.	*Length. Feet.	Water Capacity. OIL Tons. WATER Tons.
Double bottom, aft, AND DEEP CENTRE TANK AFT	129.25	666 775	Fore peak tank,	25.08	129
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	20.93	94
Double bottom, if under Engines only,	55	188 218	Deep tank, aft, TUNNEL AT 2.	44.00	92 106
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, " " "	52.25	121 140
Double bottom, forward,	205.00	652 756	Other tanks, if fitted, Lubricating oil tanks	13.75	35 40
Total capacity of double bottom	1506	1749	(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. 569.

Date 12th March 1929.

Dates of Surveys held while building

1929:— 7/10; 8/10; 4/11; 13/11; 21/11; 27/11; 4/12; 14/12; 23/12; 30/12; 1930:— 7/1; 10/1; 16/1; 24/1; 29/1; 3/2; 8/2; 12/2; 12/2; 13/2; 17/2; 20/2; 21/2; 27/2; 28/2; 5/3; 7/3; 10/3; 12/3; 13/3; 14/3; 17/3; 19/3; 21/3; 24/3; 26/3; 27/3; 29/3; 28/3; 31/3; 1/4; 4/4; 5/4; 8/4; 11/4; 14/4; 15/4; 22/4; 28/4; 6/5; 7/5; 9/5; 13/5; 21/5; 22/5; 23/5; 24/5; 10/6.

Total No. of Visits 58