

STEEL STEAMER or MOTORSHIP.

Received at London Office

17 APR 1929

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 14 April 1929 Port of Copenhagen No. 7931
Survey held at Aalborg Date First Survey 1/12/27 Last Survey 13/3/1929
On the Single screw Motor Ship "BORGNY" Machinery apt
State Type Yanker State Type of Erections P.B.T.

TONNAGE under Tonnage Deck... 2160.68Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total ✓Gross Tonnage 3015.20Register Tonnage 1686.15

REGISTERED DIMENSIONS. FEET.

Length 305.4Breadth 50.2Depth 18.8CLASS 100A1
CARRYING PETROLEUM IN BULKState if with freeboard as condition of Class noLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 305.0Breadth (greatest moulded) B 50.0Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 19.01st Longitudinal Number (L x D) = 56422nd Numeral L x (B + D) = 20892Framing Depth "d," at middle of length. See Sec. 3 (1d) 16.05Proportions—Depth to Length—Uppermost continuous deck to top of keel ✓
Do. Long Bridge to top of keel ✓Draught Moulded 17.04Built at AalborgLaunched 8-12-28Yard No. 37Builders Aalborg Maskin og SkibsbyggeriOwners Fred Olsen & CoManagers Fred Olsen & Co.

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

Residence OsloPort of Registry Oslo

If surveyed while building, afloat, or in dry dock

While building

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	LONGITUDINAL FRAMING		Bracket Floors, Frame	✓	
" " from $\frac{3}{4}$ length to Collision bulkhead	SEE REPT. 1 st		" " Reversed Frame	✓	
" " in peaks	FORE... LONG th AFTER 23"		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36" 42"	
Frame Amidships, Angle, [or]			" " top Angles	DOUBLE 3 3 42"	
" " Extends up to			" " bottom Angles	35 35 46"	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	2 38"	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	9" 42"	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	SEE REPT. 1 st		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	✓	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓	
" " Third " " " "	150 40 8		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	✓	
Framing in Peaks, Angle or [	AFT		Tank Side Brackets, height above base line at toe of Frame and thickness	TRANSVERSE	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		INNER BOTTOM PLATING.		
State if Frame Joggled	no.		Breadth and thickness of Middle Line Strake	44 42	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAMES & BEAMS. IN FORE PEAK.		Thickness of remainder in Hold Motor Room	42	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	TRANS. FLOORS 27" spacing. 3 STRAKES SHELL PYS 56" SINGLE DOUBLE RIVETED FRAMES.		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?	✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]		
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]		
Middle Line Keelson, on Floors, Angles, [or]			Spacing		
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM. IN MOTOR ROOM ONLY			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	42 30		Spacing		
" " Are Frame and Reversed Frame joggled?	No.		Bridge Deck, Angle, [or]		
Bracket 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.....	✓				Stringer Plate, breadth and thickness in way of Bridge				
„ in 'tween Decks, Size and Spacing.....	✓				Thickness of Plating abreast Deck openings) in way of Wells				
„ „ „ „ „	✓				Thickness of Plating abreast Deck openings) in way of Bridge				
„ in Holds „ „	✓				Thickness of Plating within line of openings...				
„ „ „ „ „	✓				If Sheathed, material and thickness				
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....					Stringer Plate, breadth and thickness.....				
	TOP	8	3 1/4	.38	If Plated, state thickness.....				
	BOTTOM	10 7/8	3 1/2	.42	Fourth Deck.				
	TOP	.34,	.38,	.36,	Stringer Plate, breadth and thickness.....				
Plating, thickness of .....		.38,	.46,	BOTTOM.	If Plated, state thickness				
STRINGERS AND DECKS.					Poop Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness	36"		.36	
Stringer Plate, breadth and thickness in Wells	56"		.44		Plating, Sheathing, material and thickness ...	26	2 1/2	Plating	
„ „ „ „ in way of Bridge	56"		.55		Bridge Deck.				
„ Angle in Wells	5	5	.44		Stringer Plate, breadth and thickness.....	48"		.38	
Thickness of Plating abreast Deck openings) in way of Wells .....			.42		Plating, Sheathing, material and thickness ...	38			
Thickness of Plating abreast Deck openings) in way of Bridge .....			.42		Forecastle Deck.				
Thickness of Plating within line of openings...					Stringer Plate, breadth and thickness.....	36"		.32	
If Sheathed, material and thickness	✓				Plating, Sheathing, material and thickness ...	36"			
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. <i>No</i>			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	<i>44</i>	<i>.70</i>	<i>.54</i>	<i>.54</i>	<i>/</i>	<i>DOUBLE</i>	<i>7/8</i>	<i>3/4</i>	<i>4</i>	<i>1/8</i>	<i>3/4</i>	<i>LAPPED</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes	<i>4</i>	<i>.48</i>	<i>.40</i>	<i>.40</i>	<i>/</i>	<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
BILGE PLATING, No. of } Strakes	<i>1</i>	<i>.48</i>	<i>.42</i>	<i>.42</i>	<i>/</i>	<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
SIDE PLATING, No. of } Strakes	<i>1</i>	<i>.46</i>	<i>.40</i>	<i>.40</i>		<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
UPPER DECK, Sheer- } strake in Wells	<i>66</i>	<i>.46</i>	<i>.40</i>	<i>.36</i>	<i>/</i>	<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>1/8</i>	<i>2 5/8</i>	<i>LAPPED</i>	
UPPER DECK, Sheer- } strake in Bridge <i>5 1/2</i> <i>at 8 POOP FR.</i>	<i>66</i>	<i>.60</i>	<i>/</i>	<i>/</i>		<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>1/8</i>	<i>2 5/8</i>	<i>LAPPED</i>	
STRAKE BELOW Sheer- } strake in Wells		<i>.46</i>	<i>.40</i>	<i>.40</i>		<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
STRAKE BELOW Sheer- } strake in Bridge ...		<i>.46</i>				<i>DOUBLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
POOP SIDE PLATING		<i>.38</i>				<i>SINGLE</i>	<i>3/4</i>	<i>3</i>	<i>SHEER. 1</i> <i>STR. BELOW 2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
BRIDGE SIDE PLATING ...		<i>.38</i>				<i>SINGLE</i>	<i>3/4</i>	<i>3</i>	<i>1</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	
FOREC'TLE SIDE PLATING		<i>.38</i>				<i>SINGLE</i>	<i>3/4</i>	<i>3</i>	<i>1</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>	

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).....		12									
" Deck next below.....		✓									
As per Rule.....		✓									
	Plating Thickness.	STIFFENERS.				STERN FRAME	Propeller Post	CASTING	8½ × 5½	STROMMENS VERKSTED	
		VERTICAL.		HORIZONTAL.							
		Scantlings.	Spacing.	Scantlings.	Spacing.						
MIDSHIP BULKHD., Upper tween decks	✓										
" " Second "	✓										
" " Third "	✓										
" " Holds	34 47 30 70	2 WEBS - 400 BAR 31 × 40 5.3.45 42 × 40 2.3.40	7½.34.38 L	10.33.44 L	20"						
COLLISION " (in Hold)	42 30	10.33.44 30"	10.33.46	30"							
AFTER PEAK " "	42	6.3.32 BA 30	6.3.30	30							
KEEL, Bar	✓					FLAT PLATE					✓
STEM	✓					FORGING		7¼ × 2½			✓
STERN FRAME	✓					CASTING		8½ × 5½			✓
	✓					CASTING		7½ × 5½			✓
RUDDER—A × D.....	✓					FORGING					✓
Speed of Vessel.....	✓					10 KNOTS					✓
RUDDER mainpiece at head ..	✓							9½		LINDHOLMEN METALL.	✓
" " heel ..	✓							7¼			✓
" " how constructed	✓					4 ARMS, SHUNK ON				8 KEYED	✓
✓ " double or single plate	✓					SINGLE					✓
✓ " coupling, vertical or horizontal.....	✓					HORIZONTAL.					✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
 PLATES - Société Anonyme d'Ongré - Marchais, Belgium: Stewart & Lloyd's -
 ANGLES - Vereinigte Huttenwerke Burbach, Eick, Duedelingen, Metg: Consett Iron Co
 Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. 22691												LETTER 1t		ANCHORS.	
Number of Certificate.	Anchor.	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.			
43867	1st Bower ...	42	0	14	✓			37	4	1	14	43	Green's Quick Grip.	✓	Bradley Heath 23/7/28 St. Paul
43866	2nd „ ...	39	2	21	✓			35	11	3	14	29	ditto	✓	
43868	3rd „ ...	38	1	16	✓			34	14	2	21	38½	ditto	✓	
	Collective weight.	120	0	23								119½			
43873	Stream	11	1	0	2	3	10	13	2	2	0	11	Ordinary	✓	C.H. 23/4/28 St. Paul.

CHAIN CABLES.										HAWSERS 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.	Stations.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
410	241	1 7/8	63 1/2	88 1/2	439-1	6		425 1/4	240	1 7/8	Standard	J.D. Hale, Schwab.	Schwab 8/9/28	TOWLINE...	100	4	46	100	4
													Jul Quast						
														HAWSERS & WARPS	2090	2 1/2		2090	2 1/2
															2090	2 1/2		2090	2 1/2
		Cir.								Cir.				"					
Iron Stream Chain or Steel Wire	45	4 1/4		52					75	4 1/4	Special flexible			"					

Steering Gear, Steam Electric - Hos. B. Thige - Odense Steering Gear, Hand Direct

Boats 2 @ 23'0" x 7'6" x 3'0" Steering Chains, Size and Test ✓ Windlass Steam

Ceiling in Holds, thickness and material 2½" Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.-(Upper Deck) 9' x 7'10½" to Cargo Hold fwd. Thickness of Hatches ½" steel

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 Oil tight Hatches 4'0" x 2'6" ½" covers.

AKTIESELSKABET
AALBORG MASKIN- OG SKIBSBYGGERI

Builder's Signature J. Mygind

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel Yes (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo is a Tanker The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built according to the approved plans, Secretary's letters and to the Rules of this Society.

The workmanship is to my satisfaction.

The vessel is intended to carry petroleum in bulk, the oil tanks, oil fuel and lubricating oil tanks, copperdams, peak tanks and double bottom tanks have been tested according to the Rules and found satisfactory.

The amount of Entry Fee £ 127.40 : Fees applied for, 15.4.1929

Special Survey Fee.... £ 6163.0 : Received by me, 6.5.29

LATE FEES 120.0

Travelling Expenses, if any £ 4004.20

State whether the Vessel has been built under Special Survey Yes Signature J.G. Buchanan

Surveyor to Lloyd's Register of Shipping.

Communicate to be sent to Surveyors, Copenhagen Date of issue 30/4/29

Committee's Minute TUE. 23 APR 1929

Character assigned +100A1 Carrying Petroleum in Bulk

Lloyd's Act 1906 + LMC 3.29 Oil Engines

LD 185 lb.

Longitudinal Framing-Bracketless system

W3 0090 2/3

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.)

Approved Plans—

Midship Section.
Profile and Decks.
Fore End Sections.
After End Sections.
Framing in Poop
Section in way of Bridge
(2) Shell Expansion (fore end, after end)
Oil fuel bunkers
Rudder and Stern frame
Riveting of doublings & wide overlaps.
Alternative arrangement of wide overlaps & Doublings
Snipe of Bulkhead stiffeners
Arrangement of framing in Motor Room.
Motor seating.
Holding Down Bolts
Long in Motor Room
Mast connection to trunk top
(2) Main Quadrant & Amendment
Title

Certificates

1. Rudder Head, Main piece & arms
1. Stern frame
1. Interim Certificate

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

1st Bower	24.3.26	M.A.B.	1218	13.5.27.
2nd "	22.1.26	M.A.B.	1231	18.5.27.
3rd "	22.2.2	M.A.B.	1249	22.6.27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 67.35 ft., R.Q.D. — ft., Bridge 38.0 ft., Forecastle 30.6 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 (522)

Official No. ; Signal Letters L H C D.
Is bottom of Vessel coated with cement no if not give
particulars of composition Fore peak & after peak - cement wash - SB Water tank, cement & cement wash.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, WATER	13-11	7	Fore peak tank, W.B.	11-1	154
Double bottom, under Engines and Boilers, LUB OIL	15-0	8	After peak tank, W.B.	9-1	22
Double bottom, under Engines only, WATER	17-6	35	Deep tank, aft, BUNKERS - OIL FUEL	9-0	265
Double bottom, if under Boilers only,			Deep tank, forward, OIL FUEL	28-11 1/2	210
Double bottom, forward,			Other tanks, if fitted, (If necessary, furnish further information by sketch.)		
Total capacity of double bottom		50			

* The wells are not to be included in the lengths of the tanks.
46-5"

Order for Special Survey No. 37

Date

1/10/28

Dates of Surveys held while building

1927 DEC. 1.8 : 1928 JAN. 3.31. FEB. 14.28 : MAR 9.22. AP 19 : MAY 2.24. JUNE 6.14.26. JULY 4.12
AUG 6.14.15.23.31 : SEP 8.14.21.27 : OCT 9.16.19.26.30 : NOV 12.16.22.29 : DEC 4.5.7.8.14.20.22.
1929. JAN. 2.10.18.25 : FEB. 2.14.21 : MAR 4.5.13.

Total No. of Visits

52

2 bursting caps for starting air.

le or double acting

t. 1*

"BORGNY"

2 In Earliest approved Section. PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.										RIVETING.													
AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Bulkheads to Bulkheads.							
In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Diam. Speng.		Inches.		Number. Diameter.							
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.										
ning of ∇ , L or ∇										6		3		.32 L		✓		3/4 4 1/2		6			
nes in Bridge 'tween Decks 20										8		3 3/8		.38 L		✓		" "		END			
nes from Uppermost Continuous Deck										8 1/2		3		.40 L		✓		" "		RIVETS			
L No. 1										6		3		.32 L		✓		7/8 DIA					
" 2										9 1/2		3 1/2		.40 L		✓		AND					
" 3										10		3 1/2		.46 L		✓		3"					
" 4										11		3 1/2		.47 L		✓		SPACING					
" 5										11		3 1/2		.48 L		✓							
" 6										12.46		3 1/2		.60 L		✓							
13. LGE										15.46		4.4		.62 L		✓							
9 BOTTOM FRS.										8 1/2		3		.40 L		✓							
" 9										8 1/2		3		.40 L		✓							
" 10																							
" 11																							
" 12																							
" 13																							
" 14																							
" 15																							
" 16																							
Spacing of Longitudinal Frames										Amidships		.....		20"								
										At Ends		.....										
Double Bottoms										Tank Top Longitudinals													
L or C										Bottom		"											
Spacing of Longitudinals										Amidships													
										At Ends...													
Transverses.																							
In Bridge										24-27		.38		2		24-27		.38					
ween Decks										3 1/2 FLANGE						3 1/2 FLANGE							
										3 x 3 x .38						3 x 3 x .38							
In										✓													
pper 'tween Decks.										✓													
										✓													
7										33-42		.40		✓		33-42		.40					
or C										5 3		.40		✓		5 3		.40 O.A.					
In Hold.										5 5		.40		✓		5 5		.40					
Brackets																							
Spacing of Transverse Frames										8-2		11-8		8-2		✓							
* State if joggled or liners. Cut																							
Longitudinal										L		Bridge Deck		6 3 .32				30					
Beams of										L		Upper		8 3 1/2 .44		✓		30					
L, L or C										L		TRUNK TOP		7 1/4 3 1/2 .44		✓							
										L		Second		7 1/4 3 1/2 .44		✓							
										L		Third		✓									