

Rpt. 1.

3977<sup>6</sup>

## STEEL STEAMER or MOTORSHIP.

LETTER C+

ANCHORS.

Where and when tested and  
Superintendent.

24 JUN 1927

Received at London Office

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 *22/6/27.*Survey held at *St. Nazaire*Port of *St. Nazaire (Nautic Office)* No. *1.529*On the *(Motor Ship)* *BENJAMIN FRANKLIN*Date First Survey *1st October 1925* Last Survey *June 1927*State Type *(Complete Superstructure)**Complete Superstructure*State Type of Erections *Monkey Forecastle*TONNAGE under Tonnage Deck *6073.79*CLASS *+100A1*State if with freeboard as condition of Class *Yes*Built at *St. Nazaire*Do. of space or spaces between Tonnage Dk. and Upper Dk. *1921.05*Length from fore part of stem to after part of stern *past on summer L.W.L. See Sec. 3 (1a)* *37.00*Launched *16th Dec 1920* Yard No. *75*Total *7994.84*Breadth (greatest moulded) *B 18.10*Builders *Charlier & Auteurs de St. Nazaire*Gross Tonnage *8513.40*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 11.76*Owners *Fred Olsen & Co*Register Tonnage *5339.04*1st Longitudinal Number (L x D) *= 1611*Managers *(Where necessary to be entered in Reg. Book.)*REGISTERED DIMENSIONS.  
FEET.Length *452.0*Framing Depth "d," at middle of length. See Sec. 3 (1d) *5.71*Residence *Norway*Breadth *59.0*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.60*Port of Registry *Oсло*Depth *27.9.35.9*Do. Long Bridge to top of keel *✓*If surveyed while building, afloat, & in dry dock *Yes*

## 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	820		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	685		" " Reversed Frame		
" " in peaks	610		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1180 x 15	
Frame Amidships, Angle, E or F	290 90 14		" " top Angles	90. 90. 14	
" " Extends up to	Upper deck		" " bottom Angles	130 130 16	
Reversed Frame Amidships, Angle	150 90 15	approx 150x100 compensation arranged locally	Side Girders, No. each side and thickness	Two x 11. 4 as appd	
" " Extends up to	3rd deck		Margin Plate depth (excl. of flange) and thickness	1015 x 14	
Depth of Framing Girder	290		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	90 90 12	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	290 90 14		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	130 130 13	
" " Second 'tween Decks, Angle, E or F	do		" " Gussets, spacing and scantling abaft 1/4 len. from stem	11. every frame	
" " Third " " " "	—		" " Gussets, spacing and scantling forward 1/4 len. from stem	do	
Framing in Peaks, Angle or F	206 90. 16.		Tank Side Brackets, height above base line at toe of Frame and thickness	2200 x 12 1/2	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 132		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	1400 x 14-11 1/2	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	deck frames and side stringers as appd		Thickness of remainder in Holds	12-10 1/2	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	frame bottom shell in 1/2 & extra girders as approved		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	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Walls, Angle, E or F	206 90 12	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	—	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	820	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F	206 90 12	
" " Foundation Plate on Floors			Spacing	820.	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	206 90 12	
Side Keelsons, No. each side			Spacing	820	
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F		
Solid Floors, thickness and spacing	11 x 820 as appd		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, E or F	206 90 12	
			Spacing	685 6 6/10.	

W340-0090(112)

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## PILLARS AND DECKS.

	<i>m</i> INCHES IN SHIP. <i>m</i>	Any Departure from Approved Plans to be Noted.	<i>m</i> INCHES IN SHIP. <i>m</i>	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	<i>Two rows + C.L. Bulk</i>			
„ in 'tween Decks, Size and Spacing.....	<i>do</i>			
„ „ „ „ „ 	<i>155 x 90 x 11.5 190 x 12.5</i>	<i>160 x 86.7 x 11</i>		
„ in Holds <i>all plans</i> „	<i>380 x 14.5 480 x 16.5 Tubular 4 in each hold as approved</i>			
<b>Centre Line Bulkhead.</b>	<i>OA.</i>			
Stiffeners and Spacing.....	<i>150 x 90 x 9.5 @ 820 } app<sup>d</sup> 230 x 75 x 12.5 @ 685 } 230 x 90 x 11.5</i>			
Plating, thickness of .....	<i>7</i>			
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	<i>1610 x 18 1/2</i>			
„ „ „ „ in way of Bridge	<i>—</i>			
„ Angle in Wells .....	<i>150. 150. 18 1/2</i>			
Thickness of Plating abreast Deck openings) in way of Wells .....	<i>15 1/2</i>			
Thickness of Plating abreast Deck openings) in way of Bridge .....	<i>—</i>			
Thickness of Plating within line of openings...	<i>10 1/2 - 9</i>			
If Sheathed, material and thickness .....	<i>Oregon Pine 3"</i>			
<b>Second Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	<i>1265 x 11.</i>			
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...				
If Sheathed, material and thickness .....				
<b>Third Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>1265 x 9 1/2</i>			
If Plated, state thickness.....	<i>8 1/2 - 8</i>			
<b>Fourth Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness .....				
<b>Poop Deck.</b>				
Stringer Plate, breadth and thickness .....				
Plating, Sheathing, material and thickness ...				
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....				
Plating, Sheathing, material and thickness ...				
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>1070 x 13-11</i>			
Plating, Sheathing, material and thickness ...	<i>Steel 10-9.</i>			

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.	
	<i>inches.</i>	<i>inches.</i>	<i>inches.</i>	<i>inches.</i>		<i>inches.</i>	<i>inches.</i>		<i>inches.</i>	<i>inches.</i>		
FLAT PLATE KEEL .....	1370	22.5	20	20		2 Rows	25	91	4 Rows	25	100	lapped
" DBLG. (if any)	—	—	—	—		—	—	—	—	—	—	—
BOTTOM PLATING, No. of Strakes .....5.....		17.5	17.5	17.5 & 13 as appd	Shell for 146 to LWD maintained midship	do	22	91	4 to 3 Rows	22	90-80	do
BILGE PLATING, No. of Strakes .....1.....		17.5	17.5	15.9 & 15.9	thickness for owners see requirements.	do	22	91	do	22	90-80	Strapped
SIDE PLATING, No. of Strakes .....5.....		17.5	12.5	12		do	22	91	3 Rows	22	80	lapped
UPPER DECK, Sheer-strake in Wells.....	1300	20.5	12	14		do	25	91	4 to 3 Rows	25	100.	do
UPPER DECK, Sheer-strake in Bridge ...	—	—	—	—								
STRAKE BELOW Sheer-strake in Wells.....		18.5	12	12		do	22	91	do	25	100.	do
STRAKE BELOW Sheer-strake in Bridge ...	—	—	—	—								
POOP SIDE PLATING .....	—	—	—	—								
BRIDGE SIDE PLATING ...	—	—	—	—								
FOREC'TLE SIDE PLATING			14-12			do	22	85 to 87	3 Rows	22	80	do

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Seven			
Extending to Upper Deck (Sec. 3 c)		One to Fore Deck			
" Deck next below		Six to 2 <sup>nd</sup> Deck			
As per Rule		Seven (See letter dated 20/8/25)			
		STIFFENERS.			
Plating Thickness.		VERTICAL.		HORIZONTAL.	
		Scantlings, Spacing.		Scantlings, Spacing.	
MIDSHIP BULKHD, Upper tween decks		10 1/2 — 6 1/2	190. 90. 10	760.	none
2nd Dr. 135		12 1/2 — 6 1/2	290. 90. 17	760.	do
3rd Dr. 89		12 1/2 — 6 1/2	290. 90. 13	do	do
4th Dr. 63		12 1/2 — 6 1/2	290. 90. 12 1/2	do	do
5th Dr. 165		13 — 7	206. 90. 12	540 5	do
6th Dr. 10		12 1/2 — 6 1/2	350. 90. 12	700	do
COLLISION (in Hold)					as app'd
AFTER PEAK					as app'd

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....		Flat plate keel		
STEM .....		Roll'd steel 280 x 67.	UMBL Ingue	
STERN FRAME {	Propeller Post	Bkts Cast Steel	Skoda	Pilsen
{	Rudder	do	280 x 86	Acieries Nantaises
RUDDER—A x D x	100	Forging	2620.	Comp. de Deux Lells
Speed of Vessel .....		13.5	✓	
RUDDER mainpiece at head		345.	✓	
" " heel		260.	✓	
" how constructed		Shrink on Arms		
" double or single plate		Single plate	29.5	
" coupling, vertical or horizontal		Vertical		

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

STEEL.

Has the Steel been tested as required by the Rules?

Yes. (See also Secretarys letter 13/10/75 authorizing use American Steel)



EQUIPMENT No. 4177.74				LETTER C+		ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
4238.	1st Bower ...	3910.		58140. Kg	3910. Kg.	Halls Stockless	Doremieux	St. Anand; 11/10/26; AB
4239.	2nd „ ...	3910.		58140. „		do	do	do
4242	3rd „ ...	3347.		52120. „	11150	do	do	do
	Collective weights	11167. Kg.			8915. Kg			
4241	Stream .....	1114.	278.	27187. Kg.	1120.	Ordinary type	do.	do

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.
	Length. Diam.	Statury. Break-ing.	Supplied. Per Rule.	Length. Diam.					Length. Diam.
36.	550 62	108900 152500	57251. Kg 45470. Kg	550. 62	Steel	M. Vulliamy	Have 2/5/27. L.H.	TOWLINE...	240 153
								HAWSERS & WARPS	3. 185 68
									1. 220 68
									1. 220 61.5
									1. 220 51.

Steering Gear, *Steam Electric: Donkin & Co Ltd* Steering Gear, *Hand Donkin & Co Ltd*

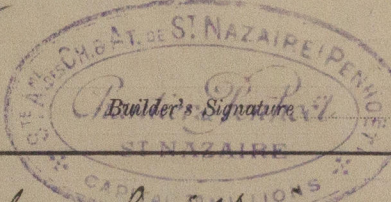
Boats *4 @ 7.1" x 2.28" x .884* Steering Chains, Size and Test *none* Windlass *Clarke Chapman & Co Electric*

Ceiling in Holds, thickness and material *3" White Wood, to 2 1/2"* Cargo Battens, thickness, material and spacing *150 x 50 @ 170" apart.*

Cargo Hatchways. (Upper Deck) *Five* Thickness of Hatches *3" White Wood.*

Size of No. 1 Hatchway (Forward) *29' 2 1/2" x 18'* No. 2 *35' x 18'* No. 3 *35' x 18'* No. 4 *37' 8" x 18'* No. 5 *35' x 18'* No. 6 *—*

Number of Shifting Beams *and for Fore and Afters. No. 1. Five; Nos 2, 3, 4, 5, 6. Seven each*



GENERAL DECLARATION *This vessel has been built in accordance with the approved plans, instructions and rules.*

*The material & workmanship are good. The freeboard has been verified & marks cut in on vessels side.*

*All double bottom, peak, oil, & water tanks, decks, bulkheads, and tunnel have been tested as required by the rules & found satisfactory*

The amount of Entry Fee *1364* £ 11 : 0 : 0  
 Special Survey Fee... £ 412 : 16 : 6  
 Travelling Expenses, if any £ : :  
 Fees applied for, 1927  
 Received by me, 9/7/27. £ 157.

I am of opinion the Vessel should be Classed *+100 A.I. with Fod.*

State whether the Vessel has been built under Special Survey *Yes.*  
 Certificate to be sent to *in duplicate at owner's request* *Hunter Office* Date of issue *9/7/27.*

Signature *J. W. Webster*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 Character assigned *+ 100 A.I. with Freeboard*

*Quarantine  
 from 11th  
 now much*

*Lloyd's A.C.P.  
 + L.M.C. 6.24 C.R.  
 Oil Engines D.B. 114 lb.*



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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 following plans have been approved for this vessel, Copies of which are already in London Office

Midship Section  
Keel & Centre Keelson  
Stern Post  
Propeller Bkts  
Rudder  
Profile & deck plans  
Double bottom tank girders  
Bulkheads  
C.L. Bhd.  
Stem  
Shell Expansion  
Details of side shell riveting  
do bottom do  
Tank Side Brackets  
Tunnels  
Panting web frame details  
Tank top riveting

Hatch coamings  
Fore end framing  
Motor Seats  
Deck Girders & pillars  
After end framing  
Boss frames  
Main Injection  
Bow pillars & girders  
Rudder stuffing box  
Pumping plan  
Webs in Motor Room  
Motor Seat riveting details  
Pillar feet modification  
Refug. Machinery Inlet  
Refrigerated Compartment 14 places  
Masts. 3 plans  
Deckhouses 3 plans  
Cast steel tiller

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

1st Bower	2276. Kg.	F.L.R.	2360.	26/3/26.
2nd "	2275. Kg.	F.L.R.	2361.	26/3/26
3rd "	1980. Kg.	F.L.R.	2362.	26/3/26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 44.6 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) 2 decks steel. 3<sup>rd</sup> deck (sh.) in 40' 1.2.3.4 Holes  
(Upper tween deck bulkheads, except collision bhd. dispensed with: Collision Bhd to Fore dk. 6 ft. to 2<sup>nd</sup> d. if not given)  
Official No. ; Signal Letters LGDN.  
Is bottom of Vessel coated with cement —  
particulars of composition all double bottom for oil fuel: not coated

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. ft.	Water Capacity. Tons.	Where Fitted.	*Length. ft.	Water Capacity. Tons.
Double bottom, aft,	103	43.460	Fore peak tank,	7.85.	12.3
Double bottom, under Engines and Boilers,	10	21.320	After peak tank,	6.10.	10.1
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	194	58.270	Deep tank, forward,		
Double bottom, forward,		142.1	Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 18

Date 6/5/25.

Dates of Surveys held while building

1925 Oct. 1-9-13-19-31 Nov. 5-9-16 Dec. 8-14-17-18-22 1926 Jan. 2-7-11-13-20-27-29 Feb. 1-5-9-11-13-15-16-17-18-20-22-23-24-25-26-27-28-29 Mar. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-31 Apr. 1-2-3-5-6-7-8-9-10-12-13-14-17-19-20-21-22-23-24-26-27-28-29-30 May 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 June 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 July 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 Aug. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 Sept. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 Oct. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 Nov. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 Dec. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30

Total No. of Visits