

## STEEL STEAMER or MOTORSHIP.

3 SEP 1930

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

Port of *Glasgow*No. *50693*Survey held at *Old Kilpatrick*Date First Survey *6.2.30*Last Survey *23rd August 1930*On the *(State if Machinery fitted Aft and**S/S PENERF*State Type *(Full Scantling, Complete Superstructure**Limited Draught (mould 18'-02")*State Type of Erections *Pooh Bridge and Scares*

TONNAGE under Tonnage Deck

*1934.16*CLASS *+100A1.*State if with freeboard as condition of Class *Yes*Built at *Old Kilpatrick*Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓*

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

L *278.375*Launched *2nd July 1930* Yard No. *276*

Breadth (greatest moulded)

B *42.5*Builders *Messrs Napier & Miller*

Total

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

D *22.5*Owners *Campagne Nautique de Navigation A Vaher.*Gross Tonnage *2178.90*Register Tonnage *1281.09*1st Longitudinal Number (L x D) = *6263.6*Managers *✓*2nd Numeral L x (B + D) = *18094.*Residence *Anai de La Jasse, Nantes.*

REGISTERED DIMENSIONS.

Length *278.6*Breadth *42.5*Depth *20.7*

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

*11.33*

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

*12.37*Port of Registry *Nantes.*

Do. Long Bridge to top of keel

*9.28*

If surveyed while building, afloat, or in dry dock

Draught Moulded

*18'-02"*

Building and afloat.

## 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	24 1/2"		Bracket Floors, Frame	L 5 1/2 3 .32	S x 3 x 38
" " from 3/4 length to Collision bulkhead	24 1/2"		" " Reversed Frame	L 5 3 .32	42 x 22 x 38
" " in peaks	24 1/2"		" " Vertical Struts	C 8 3 42/80	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33" x .44	
Frame Amidships, Angle E or F	NBS 7 3 .32		" " top Angles	5 5 .42	
" " Extends up to	2nd Deck		" " bottom Angles	5 5 .46	in E & B.
Reversed Frame Amidships, Angle	5 frame		Side Girders, No. each side and thickness	one .34	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	32 x .40	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3 .37	
Frames in Uppermost Continuous Deck, Angle E or F	5 1/2 3 .34	5 1/2 3 x 30	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 .37	
" " Second Deck, Angle E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	in E & B. space only
" " Third " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
Framing in Peaks, Angle E or F	NBS 6 3 .33		Tank Side Brackets, height above base line at toe of Frame and thickness	52" x .37	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 - 7 diam.		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	6 1/4 x .40	45 x .40
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	framing E & B. 3 .37		Thickness of remainder in Holds	34/32	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	framing E & B. 3 .37		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 Wells, Angle E or F	5 1/2 3 .30	5 x 3 x 31
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle E or F	5 3 3/30	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	24 1/2"	
" " Through Plate or Interstitial Plate			Second Deck, amidships, Angle E or F	7 x 3 1/2 x 3 1/2 x 50	7 x 3 x 142
" " Foundation Plate on Floors			Spacing	Alt.	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle E or F	✓	
Side Keelsons, No. each side			Spacing	✓	
" " thickness of Interstitial Plate			Fourth Deck, amidships, Angle E or F	✓	
" " Angles			Spacing		
DOUBLE BOTTOM.			Pooh Deck, Angle E or F	NBS 6 3 .37	6 x 3 x 34
Solid Floors, thickness and spacing	34 every 3"		Spacing	alt.	
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle E or F	NBS 6 3 .31	5 1/2 x 3 x 36005
Bracket Floors, breadth and thickness at middle line	26" x .34		Spacing	every.	
" " breadth and thickness at margin plate	26" x .34		Forecastle Deck, Angle E or F	NBS 6 3 .36	6 x 3 x 32005
			Spacing	every.	



## 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.
<b>PILLARS, No. of Rows.....</b>	Three.		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" in 'tween Decks, Size and Spacing.....	6 x 3 x 36 2 1/2 x 30		Thickness of Plating abreast Deck openings in way of Wells .....	3/4	
" " " " " "	5 x 3 1/2 x 48 10 x 50	and as above	Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" in Holds " " " "	4 x 7 x 3 x 50 12 x 3 1/2 x 32 x 44	as above	Thickness of Plating within line of openings....	.34	
" " " " " "	2 x 8 x 42		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	/		Stringer Plate, breadth and thickness.....	/	
Plating, thickness of .....	/		If Plated, state thickness.....	/	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	/	
Stringer Plate, breadth and thickness in Wells	7 1/2 x 38		If Plated, state thickness .....	/	
" " " " in way of Bridge	4 3/4 x 34		<b>Poop Deck.</b>		
" Angle in Wells	5 5 .46		Stringer Plate, breadth and thickness .....	27 x 31 8 x 31	
Thickness of Plating abreast Deck openings) in way of Wells .....	.34		Plating, Sheathing, material and thickness ...	2 1/2" Oregon Pine	
Thickness of Plating abreast Deck openings) in way of Bridge .....	.30		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.34		Stringer Plate, breadth and thickness.....	4 1/2 x 38 3 1/2 x 36 sheathed	
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ...	Copper	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	7 1/2 x 37		Stringer Plate, breadth and thickness.....	27 x 32	
			Plating, Sheathing, material and thickness ...	.30	

## 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.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	44 1/2	.59	.55	.55		Double	3/4	3 1/2	3	7/8	3 1/2	Lapped
„ DBLG. (if any)												
BOTTOM PLATING No. of Strakes .....	3	.48	.40	.40		"	"	"	3	3/4	2 5/8	"
BILGE PLATING No. of Strakes .....		"	"	"		"	"	"	3	"	"	"
SIDE PLATING No. of Strakes .....		"	"	"		"	"	"	3	"	"	"
UPPER DECK Sheer-strake in Wells .....	72	.62	"	"	58 x .60	"	7/8	3 1/2	4/3	7/8	3 1/2	"
UPPER DECK Sheer-strake in Bridge ...		.48	"	"		"	"	"	4/3	"	"	"
STRAKE BELOW Sheer-strake in Wells .....	80	.48	"	"		"	3/4	3 1/2	3	3/4	2 5/8	"
STRAKE BELOW Sheer-strake in Bridge ...		.48				"	"	"	3	"	"	"
POOP SIDE PLATING .....				.33		Single	5/8	2 1/2	Single	5/8	2 1/4	"
BRIDGE SIDE PLATING .....		.46				Double	7/8	3 1/2	Double	3/4	3	"
FOREC'TLE SIDE PLATING .....			.35			Single	5/8	2 1/2	Single	5/8	2 1/4	"

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
Extending to Upper Deck (Sec. 3 c)	6						
" Deck next below	✓						
As per Rule	14						
MIDSHIP BULKH'D, Upper tween decks	71 30 28	5x24x40	37				
" " Second							
" " Third							
" " Holds	71 46/30	8x3x41	37				
COLLISION (in Hold)	45/30	7x3x40	24				
AFTER PEAK	44/30	8x3x46	24				

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	Plate Keel		Scottish,	
<b>STEM</b> .....	Roll'd	8 x 2 1/2	S. Coy	
<b>STERN FRAME</b> {	Propeller Post .....	Forging. 8 1/2 x 5 1/2	Calahan	
	Rudder ..	" 7 1/2 x 5 1/2	Forge	
<b>RUDDER—A x D</b> .....		18 x 15		
<b>Speed of Vessel</b> .....		10 knots		
<b>RUDDER</b> mainpiece at head ...		6 1/2	Calahan	
" " heel ...		4 7/8	Forge	
" how constructed .....	Built & Forged			
" 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) *Open Hearth.*  
*Sankarshri Steel Co; Pease & Partners; Bolville Sms; Lonsell Irons; Steel Coy of Scotland; Dunlop Co;*  
*Alma - Verzeichnis; Bolckow, Vaughan Coy;*  
 Has the Steel been tested as required by the Rules? *Yes*

Has the Steel been tested as required by the Rules?







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.)

Plans forwarded: Midship Section, Profile & Deck; Revised plans of Second deck pillars & girders; Shell plan; Stern frame & rudder; Bulkheads; Fore and Aft framing abaft transome; Tunnel; Escape Hatches in Second Deck; Mast & Rigging; Quadrant & Tiller; Pumping Plan; A forging & casting certificates. Midship Section (as Built) forwarded in advance.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower. 23-1.2; K.H.; 7712; 27 <sup>th</sup> March 1930. 2nd „ 23-2.10; K.H.; 7759; 27 <sup>th</sup> March 1930. 3rd „ 20-0.25; K.H.; 8022; 23 <sup>rd</sup> May 1930. STREAM 7-2.7; K.H.; 7850 29 <sup>th</sup> April 1930.
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.8 ft., R.Q.D. 6 ft., Bridge 75.5 ft., Forecastle 29 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) Two Decks (Steel) & wooden?

Official No. 10001 : Signal Letters 201 Is bottom of Vessel coated with cement Yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—“PENEF”

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	77.6	133	Fore peak tank,	15.0	45
Double bottom, under Engines and Boilers,	40.8	105	After peak tank,	14.0	78
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	118.4	237	Other tanks, if fitted,		
	Total capacity of double bottom	475	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6072 Date 27. 1. 30 Dates of Surveys held while building 1930 Feb. 6. 7. 10. 11 Mar. 4. 5. 6. 13. 18. 20. 28. 31 Apr. 2. 3. 7. 9. 10. 15. 17. 24. 25. 29. 30 May 5. 6. 9. 12 15. 19. 20. 21. 23. 24. 27. 28. 30 June 2. 3. 4. 5. 9. 11. 12. 17. 18. 19. 20. 23. 26. 27. 30 July 1. 2. 8. 17. 29 Aug 6. 11. 12. 15. 18. 20. 21. 22. 23 Total No. of Visits 65