

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office 9 MAR 1928

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 8/3/28

Port of Newcastle-on-Tyne

No. 82473

Survey held at Newcastle-on-Tyne. Date First Survey 23rd Feb/27 Last Survey 27th Feb 1928.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) "BELPAMELA", Single screw, machinery fitted aft.

Gross Type (Full Steamship, Compound Superstructure with or without Tonnage Openings) Full scantling

State Type of Erections Poop, bridge, etc.

Age under 2784.69

CLASS 100A1

State if with freeboard

No.

Built at Naval yard, Walker-on-Tyne

GROSS MEASUREMENTS

NORSKE FREEBOARD ASSIGNED

FEET.

Launched 10-11-27. Yard No 1028.

space or spaces between Tonnage Dk. Upper Dk.

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

L 325.0

Builders Sir W. G. Armstrong Whitworth & Co. Ltd.

Tonnage 3214.88

Breadth (greatest moulded)

B 49.0

Owners A/S. Rederiet Belmoira.

Net Tonnage 1868.51

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

D 23.5

Managers C. Smith.

REGISTERED DIMENSIONS.

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

20.42

Residence

Length 329.6

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

13.83

Port of Registry Oslo.

Breadth 49.2

Do. Long Bridge to top of keel

19' 8 1/4"

If surveyed while building, afloat, or in dry dock

Depth 21.2

Draught Moulded

19' 8 1/4"

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.
MES, Spacing amidships	24 1/2		Bracket Floors, Frame	8 3 1/2 40	
" from 1/2 length to Collision bulkhead	24 1/2		" " Reversed Frame	7 3 44	
" in peaks	24		" " Vertical Struts	7 3 44	
FRAMING.			Centre Girder, depth and thickness amidships	37 46	
Frame Amidships, Angle [	9 1/2 3 1/2 46		" " top Angles	DOUBLE 3 3 44	
" " Extends up to	U. DK.		" " bottom Angles	3 1/2 3 1/2 50	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE @ 34	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	31 42	
Depth of Framing Girder	9 1/2		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 34 SINGLE.	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 34 DOUBLE.	
" " Second 'tween Decks, Angle, [or [	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	34 on alt. frms.	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	34 on every frm.	
Framing in Peaks, Angle [	6 3 43		Tank Side Brackets, height above base line at toe of Frame and thickness	54 39	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 4 8 to 5 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	47 42	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Deep framing, scantling, stringers as per plan.		Thickness of remainder in Holds	36	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames, shell midship, thickness, & extra intercostals as per plan.		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.	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle [and as per plan	9 1/2 3 1/2 46	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [	- do -	
Middle Line Keelson, on Floors, Angles, [or [	✓		Spacing	every frame.	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [or [✓	
" " Foundation Plate on Floors	✓		Spacing		
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or [✓	
Keels, No. each side	✓		Spacing		
" thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, [or [✓	
" Angles	✓		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle [	6 3 40	
Solid Floors, thickness and spacing	34 alternate.		Spacing	every frm	
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle [	5 1/2 3 30	
Bracket Floors, breadth and thickness at middle line	36 34		Spacing	every frm	
" " breadth and thickness at margin plate	34		Forecastle Deck, Angle [6 3 35	
			Spacing	every	

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NEWCASTLE ON TYNE

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.....	<i>none</i>				
.. in 'tween Decks, Size and Spacing.....	✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" " " " " " ..	✓		Thickness of Plating abreast Deck openings in way of Wells	✓	
" in Holds " " " " " " ..	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" " " " " " " " ..	✓		Thickness of Plating within line of openings.....	✓	
Centre Line Bulkhead.			If Sheathed, material and thickness	✓	
Stiffeners and Spacing.....	<i>As per plan</i>		Third Deck.		
Plating, thickness of			Stringer Plate, breadth and thickness.....	✓	
STRINGERS AND DECKS.			If Plated, state thickness.....	✓	
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells.....	<i>49 1/2 - 77</i>	✓	Stringer Plate, breadth and thickness.....	✓	
" " " " " in way of Bridge	<i>1-0</i>	✓	If Plated, state thickness	✓	
" Angle in Wells	<i>6 6 - 77</i>	✓	Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	<i>63</i>	✓	Stringer Plate, breadth and thickness	<i>31 3/4 - 32</i>	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓		Plating, Sheathing, material and thickness	<i>34 - 30</i>	✓
Thickness of Plating within line of openings.....	<i>38</i>	✓	Bridge Deck.	<i>Part sheathed 2 1/2" P.P.</i>	
If Sheathed, material and thickness	✓		Stringer Plate, breadth and thickness.....	<i>44 - 38</i>	✓
Second Deck.			Plating, Sheathing, material and thickness	<i>30 - 26</i>	✓
Stringer Plate, breadth and thickness in Wells.....	✓		Forecastle Deck.	<i>Part sheathed 2 1/2" P.P.</i>	
			Stringer Plate, breadth and thickness.....	<i>32</i>	✓
			Plating, Sheathing, material and thickness	<i>32</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 or to cr.		Diam.	Spacing or to cr.		
	Inches.	Inches.	Inches.	Inches.									Inches.
FLAT PLATE KEEL	46 1/2	65	59	59		DOUBLE	5 1/4	3 3/8	3 R.	7/8	2 3/4	LAPPED	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes	3	51	42	42		DOUBLE	5 1/4	3 3/8	3 R.	7/8	3 1/8	LAPPED	
BILGE PLATING, No. of Strakes	2	61	42	42	Owners extra	„	„	„	3 R.	„	„	„	
SIDE PLATING, No. of Strakes	2	61	41	41	„	„	„	„	3 R.	„	„	„	
UPPER DECK, Sheer- strake in Wells.....	49	82	41	41		„	6 1/2	4 1/8	4 R.	1	4	„	
UPPER DECK, Sheer- strake in Bridge ...		1-07				„	6 3/4	4 1/8	4 R.	„	„	„	
STRAKE BELOW Sheer- strake in Wells.....		78	41	41		„	5 1/4	3 3/8	4 R.	7/8	3 1/2	„	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING				50-35		SINGLE	2 1/2	3	1 R.	3/4	2 5/8	LAPPED	
BRIDGE SIDE PLATING ...		38				„	3	3	2 R.	„	2 5/8	„	
FOREC'TLE SIDE PLATING				38		„	2 1/2	3	1 R.	„	2 5/8	„	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Extending to Upper Deck (Sec. 3)		Deck next below		As per Rule	
"Intermediate bulkheads in holds dispensed with"		See London letter to A.W. & Co 3/2/27 and letter from owners dated 6/2/28		FIVE.			
		STIFFENERS.					
Plating Thickness.		VERTICAL.		HORIZONTAL.			
		Scantlings. Spacing.		Scantlings. Spacing.			
MIDSHIP BULKH'D, Uppertween decks	✓						
" " Second "	✓						
" " Third "	✓						
" " Holds	43/26	9x2 1/2 x 3 1/2	30"				
" " " "	48/28	9x3 x 50 B2	2				
" " " "	46/30	7x3 x 34 B2	24.				
COLLISION (in Hold)							
AFTER PEAK							

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat plate			
STEM	Rolled Steel 10" x 2 1/8"		Fridingham 8 1/2" x 2 1/8"	
STEERN FRAME	Propeller Post	Cast Steel as per plan		
	Solepiece	Forged Steel		Darlington Forge Co.
	Rudder			
Balanced Rudder				
RUDDER				
Speed of Vessel	10 3/4 Knots.			
RUDDER mainpiece at heel	TOP Scrap iron 9" dia			Darlington Forge Co.
" " " "	heel forged 7" dia			
" " STOCK	forged 9" to 6"			
" " how constructed	in two parts			
" " double or single plate	Single plate			See plan
" " coupling, vertical or horizontal	Horizontal			double plate

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth.*
Appleby Iron Co. Ltd; Bolebow Vaughan & Co. Ltd; Cargo Fleet Iron Co. Ltd; Calville & Sons Ltd;
Consett Iron Co. Ltd; Dorman Lang & Co. Ltd; Huddersfield I. & S. Co. Ltd; Partington S. & S. Co. Ltd;
 Has the Steel been tested as required by the Rules? *YES.* *Pease & Partners Ltd; South Durlam S. & S. Co. Ltd.*

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.)

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Cwts. qrs. lbs.				
	1st Bower	26-1-25	M.B.	3313	14-9-27
	2nd ..	25-3-24	M.B.	3360	14-9-27
	3rd ..	23-0-26	M.B.	3368	27-10-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 88.25 ft., R.Q.D. — ft., Bridge 22.45 ft., Forecastle 27.16 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NOT JOINED.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK. (STL)

Official No. ☒ : Signal Letters ☒ Is bottom of Vessel coated with cement Yes ☒
particulars of composition Cement washed and fillets in way of landings

PARTICULARS OF WATER BALLAST.

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft, <u>Feed water</u>	24.50	17		Fore peak tank,	26.00	129	
Double bottom, <u>under Engines and Boilers</u> <u>Nº 4 Tank</u>	49.00	180		After peak tank,	25.00	143	
Double bottom, <u>under Engines only</u> <u>Nº 3 Tank</u>	65.33	233		Deep tank, aft,			
Double bottom, <u>under Boilers only</u> <u>Nº 2 Tank</u>	14.29	43		Deep tank, forward,			
Double bottom, forward, <u>Nº 1 Tank</u>	55.13	178		Other tanks, if fitted,			
	Total capacity of double bottom		651	(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. 5222

Date 20.4.27

Dates of Surveys held while building

1927 FEB. 23. MAR. 15. APR. 6. 12. 20. 26. 28. MAY. 9. 19. 25. 31. JUNE. 9.
JULY. 21. 26. AUG. 5. 9. 11. 23. 29. SEPT. 23. 29. OCT. 17. 18. 19. 20. 21. 24. 25. 26. 27. 28.
NOV. 1. 2. 3. 4. 7. 8. 10. 28. DEC. 1. 2. 8. 12. 13. 14. 1928 FEB. 8. 10. 13. 14. 20. 21. 25. 27.



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