

STEEL STEAMER or MOTORSHIP.

Received at London Office

28 APR 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

27 April 1928

Port of

Sunderland

No.

29709

Survey held at

Sunderland

Date First Survey

5 April 1927

Last Survey

*24 April*192*8*

On the

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

Single Screw "BARBARA MARIE"

State Type

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

Complete S.S. with tonnage opening

State Type of Erections

Full on Shell Deck

TONNAGE under

3946.49

Tonnage Deck

CLASS **100A.1*

State if with freeboard as condition of Class

*Yes*Built at *Sunderland*

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 364.54

Breadth (greatest moulded)

B 51.16

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

D 35.00

1st Longitudinal Number (L x D)

= 12758

2nd Numeral L x (B + D)

= 31408

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

23.4

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

10.41

Do. Long Bridge to top of keel

Draught Moulded

*(24.5)*Launched *6th March 1928* Yard No. *248*Builders *Sir J. Priestman & Co.*Owners *The Bliffside Shipping Co.*

Managers

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

Residence *Newcastle on Tyne*Port of Registry *Newcastle on Tyne*

If surveyed while building, afloat, or in dry dock

Building & 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	<i>30</i>		Bracket Floors, Frame	<i>BA 6 3 35</i>	
" " from 1/2 length to Collision bulkhead	<i>24</i>		" " Reversed Frame	<i>BA 6 3 35</i>	
" " in peaks	<i>24</i>		" " Vertical Struts	<i>F 10 3 1/2 x 3 1/2 x 1/2 6 3 35 BA</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>41 5 5 50</i>	
Frame Amidships, Angle <i>E or [BA. N.B.S.</i>	<i>12 3 1/2 44</i>		" " top Angle	<i>5 5 50</i>	
" " Extends up to	<i>2nd DK.</i>		" " bottom Angle	<i>6 6 56</i>	
Reversed Frame Amidships, Angle	<i>Bulb</i>		Side Girders, No. each side and thickness	<i>One 140 150 85</i>	
" " Extends up to	<i>Angle Frames</i>		Margin Plate depth (excl. of flange) and thickness	<i>38 50</i>	
Depth of Framing Girder	<i>12</i>		" " Vertical Angle to Tank side	<i>3 1/2 3 1/2 42</i>	
Frames in Uppermost Continuous 'tween Decks, Angle <i>E or [</i>	<i>BA 6 1/2 3 1/2 40</i>		" " Bracket abaft 1/4 len. from stem	<i>Single 3 1/2 3 1/2 42</i>	
" " Second 'tween Decks, Angle <i>[or [</i>	<i>-</i>		" " Vertical Angle to Tank side	<i>3 1/2 3 1/2 42</i>	
" " Third " " "	<i>-</i>		" " Bracket forward 1/4 len. from stem	<i>Single 6 6 42</i>	
Framing in Peaks, Angle <i>[BA.</i>	<i>4 3 1/2 40</i>		" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>3 1/2 3 1/2 42 on every frame</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 4 dia</i>		" " Gussets, spacing and scantling forward 1/4 len. from stem	<i>3 1/2 3 1/2 42 on every frame</i>	
State if Frame Joggled	<i>Yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>83 1/2 44</i>	
STANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Intercostal stringers frame modulus increased.</i>		INNER BOTTOM PLATING.		
TRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Single framing 1/2 dble. add'l. intercostal and midship thickness of shell maintained.</i>		Breadth and thickness of Middle Line Strake	<i>45 48</i>	
INGLE BOTTOM.			Thickness of remainder in Holds	<i>42 - 38</i>	
Floors, Depth and thickness at mid-line in Holds			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?	<i>Yes.</i>	
Height of Brackets at side above base line at top of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, [or [Uppermost Continuous Deck, amidships in Wells, Angle, E or [<i>6 1/2 3 34</i>	
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [or [<i>-</i>	
" " Foundation Plate on Floors			Spacing	<i>30</i>	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, E or [<i>6 1/2 3 34</i>	
Side Keelsons, No. each side			Spacing	<i>30</i>	
" thickness of Intercostal Plate			Third Deck, amidships, Angle, [or [
" Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or [
Solid Floors, thickness and spacing	<i>40 30 40 27</i>		Spacing		
" Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle, [or [
Bracket Floors, breadth and thickness at middle line	<i>32 40</i>		Spacing		
" breadth and thickness at margin plate	<i>28 40</i>		Bridge Deck, Angle, [or [
			Spacing		
			Forecastle Deck, Angle, E or [<i>BA 8 1/2 3 48</i>	
			Spacing	<i>54 3 40 48</i>	

	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.....	Three	✓	Stringer Plate, breadth and thickness in way of Bridge	-	
Centre in 'tween Decks, Size and Spacing.....	2 3/8" @ 60"	✓	Thickness of Plating abreast Deck openings in way of Bridge	34	to 30
" " " " " Quarter	6 3 1/2" 46		Thickness of Plating abreast Deck openings in way of Bridge	-	
Quarter in Holdson Engine Space, 4 Angles	6 x 6 6 2 x 58		Thickness of Plating within line of openings.....	32	to 30
" " " " " "			If Sheathed, material and thickness	No	
Centre Line Bulkhead. from B.A	12 x 3 1/2" 47	11 x 3 1/2" x 3 1/2" x 47 1/2	Third Deck.		
Stiffeners and Spacing.....	12 B.A 4 1/2" 3 46		Stringer Plate, breadth and thickness.....		
Plating, thickness of	30		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Way	55 x 50	✓	If Plated, state thickness		
" " " " " in way of Bridge	-		Poop Deck.		
" Angle in Way	5 5 50	✓	Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Bridge	42	to 34	Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge	-		Bridge Deck.		
Thickness of Plating within line of openings.....	36	to 34	Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness	-		Plating, Sheathing, material and thickness ...		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Way	58 x 38		Stringer Plate, breadth and thickness	34	
			Plating, Sheathing, material and thickness ...	30	2 1/2" PINE

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		No.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAIPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	50	42	64	64		Double	7/8	3 1/2	Four	1	4	Lapped.
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes ...{	4 1/2	55	48	48		Double	7/8	3 1/2	Three	7/8	3 1/8	Lapped.
BILGE PLATING, No. of Strakes ...{	48	55	48	48		-do-	-do-	-do-	-do-	-do-	-do-	-do-
SIDE PLATING, No. of Strakes ...{	4 1/2	55	46	46		-do-	-do-	-do-	-do-	-do-	-do-	-do-
UPPER DECK, Sheer-strake in Water ...{	41	64	46	46		-do-	-do-	-do-	Four	-do-	3 1/2	-do-
LOWER DECK, Sheer-strake in Bridge ...{												
STRAKE BELOW SHEER-strake in Water ...{	4 1/2	55	46	46		Double	7/8	3 1/2	Three	7/8	3 1/8	Lapped.
STRAKE BELOW STRAKE-strake in Bridge ...{	-	-	-	-		-	-	-	-	-	-	-
POOR SIDE PLATING ...{	-	-	-	-		-	-	-	-	-	-	-
FORECASTLE SIDE PLATING	-	40	-	-		Single	3/4	3	One	3/4	2 5/8	Lapped.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	One
" Deck next below	Five
As per Rule	Six

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat Plate Keel			✓
STEM	Roll'd Stl	9' x 2 1/2"		✓
STERN FRAME {	Propeller Post	Cast	10' x 4 1/8"	} Otto ✓
	Rudder "	Steel	9' x 4 1/8"	
			Gruson & Co.	✓
RUDDER—A x D	118.52 x 3.09 = 364.4			✓
Speed of Vessel	Not exceeding	10 knots		✓
RUDDER mainpiece at head ..	Cast	9'	} Otto ✓	✓
" " heel	Steel	6 3/4"		✓
" " "			Gruson & Co.	✓
" " how constructed	Frames Shrink On.			✓
" " double or single plate	Single Plate	1.06		✓
" " 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 Process
Cornett Iron Co. Ltd; Cargo Fleet Iron Co. Ltd; Pease & Partners Ltd; Yordingleham Steel & Iron Co. Ltd;
Bolchov Vaughan & Co. Ltd; South Durham Steel & Iron Co. Ltd.
 Has the Steel been tested as required by the Rules? Yes.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 52.		Description of Anchor	Makers.	Where and when tested and Superintendent.
		Wts.	qrs.	lbs.	Wts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Wts.			
30883	1st Bower ...	53	3	0	-	-	-	44	12	2	0	53 3/4	Byers Improved Stockless	—	Sld. 22-3-28 J. H. Butler
30946	2nd " ...	53	2	14	-	-	-	44	11	1	0	53 3/4	" " "	—	Sld. 13-4-28 J. H. Butler
30947	3rd " ...	53	2	14	-	-	-	44	11	1	0	53 3/4	" " "	—	Sld. 13-4-28 J. H. Butler
	Collective weight.	161	0	0								- 160 1/4			
30440	Stream ...	15	2	0	4	0	14	16	18	3	0	15	Portgers	S. Taylor & Sons	Sld. 9-11-27 J. H. Butler

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.	Stain-ory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Diam.		Length.	Cir.	Length.
15513	270	2 7/8	81 1/4	115 3/4	613	1.0	608 3/4	270	2 7/8	Steel	S. Taylor & Sons Ltd. 15.11.27 J. H. Bullen	TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
													120	4 1/2	39	120	4 1/2	
												HAWSEERS & WARPS	Ans	90	2 1/2	12 1/2	4990.	2 1/2
													"	"	"	"	"	"
Iron Stream } Gibson's } Steel Wire }	90	4 1/2		39				90	4 1/2	Steel wire	British Rope Co Ltd		"	"	"	"	"	"

Boats 2 Life 2 1/2 Cutters 4 3/4 Steering Chains, Size and Test 15/16 20 12 2 0 Windlass. Clarke, Chapman & Co.

Ceiling in Holds, thickness and material None, except under hatches and Cargo Batts, thickness, material and spacing 2" White Wood, 9" Spacing
over sties. in holds only.

Cargo Hatchways.—(Upper Deck) Steel Plates & Angles 3 1/2" high. Thickness of Hatches 2 1/2" White Wood.

Size of No. 1 Hatchway (Forward) 24'-9" x 18'-0" No. 2 30'-0" x 19'-0" No. 3 24'-6" x 19'-0" No. 4 30'-0" x 19'-0" No. 5 25'-0" x 18'-0" No. 6 24'-6" x 18'-6"

Number of Shifting Beams and/or Fore and Afters 1 to Nos 1, 2 & 4; 1 to Nos 3 & 6; 3 to No 5.

Builder's Signature *Wm. H. Weston*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel No (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point

This vessel has been built in accordance with the approved plans, the Rules and Secretary's letters.

The materials and workmanship are good.

The freeboard has been verified and the marks cut in on the vessel's sides. The decks, bulkheads, peak tanks, double bottom tanks, tunnel, W. T. doors, pumps, windlass and steering gear have been tested with satisfactory results.

The approved plans are already in the London Office, there being forwarded with the first entry report on the sister ship "Frances Massey" (Sunderland Report No. 29514).

copies of the above ^{midship} section and profile ^{and decks} are forwarded
herewith, together with 3 Laying certificates.

The amount of Entry Fee £ 8 : 0 : 0 Fees applied for,

Special Survey Fee.... £286 : 3 : 0
Received by me, *W. J. [Signature]*
I am of opinion the Vessel should be Classed ☒ "A" With Fbd.

Travelling Expenses, if any £ : : 10.5.28

State whether the Vessel has been built under Special Survey Yes *Signature* A. Brown

Certificate to be sent to SUNDERLAND, Date of issue 11/5/28 *Signature* _____
Surveyor to Lloyd's Register of Shipping.


ED 4 MAY 1968

Committee's Minute

Character assigned +100H1 16m Reelboard

Ph. 1. 2002 + Ph. 1. 2002

11. 11. 11. 4:28
 12. 11. 11. 4:28



W336-0104(212)

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.)

Sister vessels: - S.S. "Frances Massey" (Sld. Rpt. No. 29514); S.S. "Westlea" (Sld. Rpt. No. 29959); & S.S. "Fernlea" (Sld. Rpt. No. 29202).

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

1st Bower	32. 1. 10	J.L.	6897	16. 3. 28
2nd "	31. 2. 7	J.L.	6918	23. 3. 28
3rd "	31. 3. 9	J.L.	6933	23. 3. 28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 35.0 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated C.S.S. with tonnage opening.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Dks (SIL).

Official No. 149464; Signal Letters

Is bottom of Vessel coated with cement. yes if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	115.0	321	Fore peak tank,	20.0	125
Double bottom, under Engines and Boilers,	34.5	144	After peak tank,	23.5	247
Double bottom, if under Engines only,	—	—	Deep tank, aft,		
Double bottom, if under Boilers only,	—	—	Deep tank, forward,		
Double bottom, forward,	162.0	529	Other tanks, if fitted,		
Total capacity of double bottom		994	(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. 5630

Date 25. 4. 27

Dates of Surveys held while building

1927 Apr. 5. 12. 13. 20. 28. 30. May 2. 6. 9. 12. 19. 23. 27. 30. 31. June 9. 10. 17. July 9. 11. 13. 14. 25. 27. Aug. 3. 11. 19. 22. 23. 30. Sep. 1. 7. 12. 14. 23. 26. 29. Oct. 5. 10. 12. 18. 25. Nov. 1. 2. 4. 16. 22. Dec. 14. 20. 31. 1928 Jan. 5. 6. 10. 12. 16. 18. 21. 25. 26. 27. 31. Feb. 2. 3. 8. 10. 15. 16. 20. 22. 24. 28. Mar. 6. 9. 13. 15. Apr. 2. 5. 14. 18. 24.

Total No. of Visits 81