

STEEL ~~STEAMER~~ ~~or~~ MOTORSHIP.

Received at London Office 18 FEB 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 17/2/28

Port of Newcastle-on-Tyne

No. 82383

Survey held at Newcastle-on-Tyne

Date First Survey 15th March 1927Last Survey 13th Feb. 1928On the (State if Machinery fitted Aft and
(if Single, Twin or Triple Screw)

"BELMOIRA", single screw, machinery fitted aft

State Type (Full Scantling, Complete Superstructure
with or without Tonnage Openings)

Full scantling

State Type of Erections

Poop, Bridge, & Fcl

TONNAGE under 2784.69
(To NORSKE MEASUREMENTS)

CLASS +100A.1

State if with freeboard
as condition of Class

no

Built at Naval Yard, Walker-on-Tyne

De. 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 325.0

Launched 12th Oct. 1927 Yard No. 1027

Total

Breadth (greatest moulded)

B 49.0

Builders Sir W. G. Armstrong Whitworth
& Co Ltd

Gross Tonnage 3214.39

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

Owners A/S Frederik Belmoira

Register Tonnage 1868.67

1st Longitudinal Number (L x D) = 7637

Managers C. Smith

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

2nd Numeral L x (B + D) = 23562

Residence

REGISTERED DIMENSIONS.
FEET.

Length 329.60

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

20.42

Breadth 49.20

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

13.83

Port of Registry Oslo

Depth 21.20

Do. Long Bridge to top
of keel

19'-8 1/4"

If surveyed while building, afloat, or in dry dock

while building in dry dock

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	8 3 1/2 40	✓
" " from 1/2 length to Collision bulkhead	"	✓	" " Reversed Frame	7 3 44	✓
" " in peaks	24	✓	" " Vertical Struts	7 3 44	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	37 46	✓
Frame Amidships, Angle, E or [	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	1 @ 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 1/2	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	✓	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	do double	✓
" " Second 'tween Decks, Angle, [or [	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	34 on alt fms	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	34 on every fm	✓
Framing in Peaks, Angle or [	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 amid- ships	7/8 47 1/2 5 1/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	yes	✓	Breadth and thickness of Middle Line Strake	47 42	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep framing panting stringers as per plan	✓	Thickness of remainder in Holds	36	✓
STRENGTHENING OF BOTTOM FOR- WARD. 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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or [	9 1/2 3 1/2 46	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, E or [	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 [✓	✓
Side Keelsons, No. each side	✓	✓	Spacing		
" " thickness of Intercostal Plate	✓	✓	Fourth Deck, amidships, Angle, [or [✓	✓
" " Angles	✓	✓	Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or [	6 3 40	✓
Solid Floors, thickness and spacing	34 alternate	✓	Spacing	every fm	✓
" " Are Frame and Reversed Frame joggled?	yes	✓	Bridge Deck, Angle, E or [	5 1/2 3 30	✓
Bracket Floors, breadth and thickness at middle line	36 34	✓	Spacing	every fm	✓
" " breadth and thickness at margin plate	36 34	✓	Forecastle Deck, Angle, E or [	6 3 35	✓
			Spacing	every fm	✓

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.....	none				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-S	as per plan				Third Deck.				
Stiffeners and Spacing.....					Stringer Plate, breadth and thickness.....			✓	
Plating, thickness of					If Plated, state thickness.....			✓	
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....			✓	
Stringer Plate, breadth and thickness in Wells	49½		77		If Plated, state thickness			✓	
„ „ „ „ in way of Bridge			100	✓	Poop Deck.				
„ Angle in Wells	6	6	77		Stringer Plate, breadth and thickness	31	34	32	
Thickness of Plating abreast Deck openings in way of Wells			63	✓	Plating, Sheathing, material and thickness	34	30		
Thickness of Plating abreast Deck openings in way of Bridge			✓		part sheathed 2½" P.P.				
Thickness of Plating within line of openings...			38	✓	Bridge Deck.				
If Sheathed, material and thickness			✓		Stringer Plate, breadth and thickness.....	44		38	
Second Deck.					Plating, Sheathing, material and thickness	30	26		
Stringer Plate, breadth and thickness in Wells...			✓		part sheathed 2½" P.P.				
					Forecastle Deck.				
					Stringer Plate, breadth and thickness.....			32	
					Plating, Sheathing, material and thickness			32	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	no	RIVETS.		NO. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.				SINGLE OR DOUBLE.	Spacing cr. to cr.		
FLAT PLATE KEEL	46½	65	59	59				Double	5¼ 3⅞	3 ✓	7/8 2¾ lapped
„ DELG. (if any)											
BOTTOM PLATING, No. of Strakes	3	51	41	42				Double	5¼ 3⅞	3 ✓	7/8 3½ lapped
BILGE PLATING, No. of Strakes	2	61	41	42	Owners' extra			"	"	3 ✓	" "
SIDE PLATING, No. of Strakes	2	61	41	41	" "			"	"	3 ✓	" "
UPPER DECK, Sheer-strake in Wells.....	49	82	41	41	See letter			"	6 4⅛	4 ✓	1 4 "
UPPER DECK, Sheer-strake in Bridge ...		107						"	6¾ 4⅛	" ✓	" "
STRAKE BELOW Sheer-strake in Wells.....		78	41	41				"	5¼ 3⅞	" ✓	7/8 3½ "
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING				50-35				Single	2½ 3	1 ✓	¾ 2⅝ lapped
BRIDGE SIDE PLATING ...		38						"	3 3	2 ✓	" 2⅝ "
FORECASTLE SIDE PLATING			38					"	2½ 3	1 ✓	" 2⅝ "

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	5
Extending to Upper Deck (Sec. 3 c)	1
See London letter to A.W. & Co. 8/2/27 and letter from Owners' representatives dated 6/2/28 (attached)	
Deck next below	
As per Rule	five

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	✓	43½ 26 3x3 30"			
COLLISION „ (in Hold)	✓	48½ 28 3x3 24"			
AFTER PEAK „ „	✓	46½ 30 7x3 24"			

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				Flat plate
STEM				Roller Steel 10x2 1/8 in. Steel Co
STERN FRAME				Upper Part Cast Steel as per plan
Propeller Post				Darlington ✓
Solepiece				Forged Steel ditto
Rudder				Forge Co
Balanced Rudder				
RUDDER				
Speed of Vessel				10¾ knots
RUDDER mainpiece at head				Scrap 9" dia Darlington
„ „ „ heel				2" dia Forge
„ „ „ stock				forged steel 9" to 6" Co Ltd
„ „ „ how constructed				in two parts
„ „ double or single plate				single plate double plate
„ „ 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)
	Appleby Iron Co Ltd, Bolckow Vaughan & Co Ltd, Cargo Fleet Iron Co Ltd, Colville & Sons Ltd, Consett Iron Co Ltd, Dorman Long & Co Ltd, Frodingham I. & S. Co Ltd, Pease & Partners Ltd, So. Durham S. & Co Ltd
	Has the Steel been tested as required by the Rules? yes

EQUIPMENT No. <u>24687</u>												LETTER <u>U</u>	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.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.						
30315	1st Bower ...	45	1	7	Stockless			39	9	2	21	45.0.0	Byes Improved		Sld: 9.9.27. J.H.B.			
30316	2nd " ...	45	0	0	"			39	5	0	0	45.0.0	"		" " "			
30257	3rd " ...	38	2	0	"			34	16	1	0	38.0.0	"		Sld: 22.8.27. J.H.B.			
	Collective weight.	128	3	7	✓							128.0.0						
43020	Stream	12	0	7	✓	3	0	7	✓	13	19	2	21	✓	12.0.0	Rodgers <i>forged wrought iron</i>	R. Sykes & Sons	Ld. Cad. H. 18.8.27. L.C.P.

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.		Stat. breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Status.	Break- ing.	Supplied.		Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
31116	Fathoms.	Ins.	Tons.	Owts.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.	Stud link	R Sykes & Sons Ltd. Cff. 13.8.27. A.S.		TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.
31117	Shackle	1 1/8	22 3/4	34 1/8	513	0	21	511-2-0	270	1 1/16					"	"	"	"	100	4	33	100	4
Lower Stream Chain or Steel Wire	90	4 1/4	35	G.S.W.					90	4 1/4	G.S.W.			HAWSERS & WARPS	2090	7	was paid	2090	7
																2090	6	Shroud laid	2090	6

Steering Gear, *Electric*

Lawrence Scott - Donkin

Steering Gear, Hand

Donkin

Boats

2 lifeboats 23'-0"
1 plan 18'-0"

Steering Chains, Size and Test

✓

Windlass

Clarke Chapman.

Ceiling in Holds, thickness and material

2 1/2" W.W.

Cargo Battens, thickness, material and spacing

6" x 2" W.W. 9" apart

Cargo Hatchways.-(Upper Deck)

Steel Coamings

Thickness of Hatches

No 1. 3", elsewhere 2 1/2"

Size of No. 1 Hatchway (Forward)

44'-10" x 20'-6"

No. 2

40'-9" x 22'-0"

No. 3

37'-4 1/2" x 22'-0"

No. 4

✓

No. 5

✓

No. 6

✓

Number of Shifting Beams and/or Fore and Afters

as per plan

SIR W. G. ARMSTRONG, WHITWORTH & CO. LTD.

Stewart

DIRECTOR.

GENERAL DECLARATION
This vessel has been constructed in accordance with the approved plans, the Secretary's letters, and in general conformity with the Society's Rules. The materials and workmanship are satisfactory. Copies of the midship section and profile of the vessel as built, also forging reports, are sent herewith, the approved plans being retained for reference in dealing with the sister vessel. All double bottom tanks, deep tanks, peak tanks, and fresh water tanks have been tested as required by the rules: the weather decks and the W.T. Bulkheads have been holed. One Intermediate W.T. Bulkhead in holds has been dispensed with at the Owner's request - see details above. The requirements of Section 20 of the Rules have been carried out.

The amount of Entry Fee £ 7 : - : -

Fees applied for,

17 FEB. 1928

Received by me,

28/2/28

Special Survey Fee.... £235 : 14 : -

I am of opinion the Vessel should be Classed

+ 100 A. I.

Travelling Expenses, if any £ : :

Signature

Mr. Cooper R Langlands

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey

yes

Certificate to be sent to

NEWCASTLE-ON-TYNE

Date of issue

8/3/28

Committee's Minute

FRI. 2 MAR 1928

Character assigned

+ 100 A.I.

Lloyd's A & R

+ L.M.C. 2:28

Wick

Oil Engines

2 & B 150lb.

W341-0022 2/2

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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.)

Rpt.

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

1st Bower **26.3.1 K.H. 4788. 16.8.27**
2nd " **26.3.7 K.H. 4786. 16.8.27**
3rd " **23.0.17 M.B. 3195. 12.7.27**

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 ☐ if not give particulars of composition **cement washed and fillets in way of landings**

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER BALLAST.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	49'00	180	Fore peak tank,	26'00	129
Double bottom, under Engines and Boilers, <i>Feed Water</i>	24'50	17	After peak tank,	25'00	143
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	134'75	454	Other tanks, if fitted,	✓	✓
	Total capacity of	651	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. **5221**

Date **20.4.27**

Dates of Surveys held while building

1927 MARCH 15. APRIL 6. 12. 20. 26. 28. 29. MAY 9. 19. 25. 31. JUNE 10. JULY 21. 26. AUG 11. 15. 22. 29.
SEPT. 9. 13. 15. 19. 20. 23. 26. 27. 28. OCT. 3. 4. 5. 6. 7. 10. 11. 12. NOV. 23. 29. DEC. 2. 5. 7. 13. 19. 20.
1928 JAN. 9. 12. 13. 16. 18. 19. 25. 26. 27. 31. FEB. 4. 13.

Total No. of Visits **58**