

State if Report is sent on the Machinery of the Vessel.....YES.

No.

Last Survey 28th September

"BALAENA" (MACHINERY FITTED AFT.)

FULL SCANTLING.

State Type of Erections.....FORECASTLE.

CLASS **100A.1.** ^{"WITH} **FREEBOARD** ["] State if with freeboard } **YES**
["] **WHALING SERVICE** ["] as condition of Class }
CARRYING OIL FUEL IN BULK. FEET

Built at..... BELFAST.

Launched 18TH APRIL 1946. Yard No. 1327.

Builders **HARLAND & WOLFF LTD**

Owners UNITED WHALERS LTD.

Managers *Not known*
(Where necessary to be entered in Reg. Book)

Residence

Port of Registry..... LONDON.

If surveyed while building, afloat, or in dry dock

BUILDING, AFLOAT & IN DRY DOCK. ✓

f space or spaces
ween Tonnage Dk.
Upper Dk.

Tonnage 15,760.05

ler Tonnage 8,223.70

REGISTERED DIMENSIONS.

FEET
539.7.

77.4

34.1

CLASS **100A.1** "WITH FREEBOARD" State if with freeboard } **YES**
"WHALING SERVICE" as condition of Class }
"CARRYING OIL FUEL IN BULK." FEET

Length from fore part of stem to after part of stern } L 535.0
post on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded) AT L.W.L. B 74.0

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) } D 57.0

1st Longitudinal Number (L \times D).....= 248

2nd Numeral $L \times (B + D)$ = ✓ 64

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel } **9.39**

Do. Long Bridge to }
top of keel }

Draught Moulded 34'-4".

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.....		36" ✓		Bracket Floors, Frame		✓	
" " from 1/3 length amidships to Collision bulkhead.....		36" & 27" ✓		" " Reversed Frame.....		✓	
" " in peaks		24" ✓		" " Vertical Struts		✓	
SIDE FRAMING.				Centre Girder, depth and thickness amidships		58" - 54" ✓	
Frame Amidships, Angle, E or F [		12" x 3 1/2" x 44" ✓		" " top Angles (DOUBLE).		3 1/2" x 3 1/2" x 53" ✓	and see plan
" " Extends up to.....		TANK DECK ✓		" " bottom Angles (DOUBLE).		5" x 5" x 58" - 53" ✓	
Reversed Frame Amidships, Angle		✓		UNDER ENGINES.			
" " Extends up to		✓		Side Girders, No. each side and thickness.....		4 AT 48" ✓	
Depth of Framing Girder.....		12" ✓		Margin Plate depth (end of flange) and thickness		70" ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F [		9" x 3 1/2" x 56" ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		6" x 6" x 44" ✓	
" " Second 'tween Decks, Angle, [or [		✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		✓	
" " Third " " " " " "		✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		✓	
" " from 1/2 len. for'd. to 15% len. from Stem		9" x 3 1/2" x 56" ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		✓	
" " in Peaks, Angle or [		11" x 3 1/2" x 44" ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		TANK TOP STRAIGHT OUT. ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		1 - 5 1/2" ✓		INNER BOTTOM PLATING (IN E & B SPACE).		GEN. ROOM 1" ✓	
State if Frame Joggled.....		No. ✓		Thickness of remainder in Hold		1" & 70" ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?		YES. ✓		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. ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?		YES. ✓		BEAMS. (I.E. FLENSING DM).			
SINGLE BOTTOM.				Uppermost Continuous Deck, amidships in [or [		9" x 3 1/2" x 3 1/2" x 49" ✓	
Floors, Depth and thickness at mid-line in Holds.....				" " in way of Bridge, Angle, [or [✓	
Height of Brackets at side above base line at toe of frame.....				Spacing		36" ✓	
Middle Line Keelson, on Floors, Angles, [or [				(I.E. TANK DM).		SEE PARTICULARS OF LONG FRAMING ✓	
" " Through Plate or Inter-costal Plate				Second Deck, amidships, Angle, [or [
" " Foundation Plate on Floors				Spacing		3" x 3 1/2" x 3 1/2" x 49" ✓	
" " Flat Plate Keel Angles				PARTIAL PLAT BETWEEN UPPER & 2ND DECK WITH PARTIAL REV. Third Deck, amidships, Angle, [or [		3" x 3 1/2" x 3 1/2" x 40" ✓	
Side Keelsons, No. each side.....				Spacing.....		36" ✓	
" " thickness of Intercoastal Plate.....				Fourth Deck, amidships, Angle, [or [✓	
" " Angles				Spacing.....		✓	
DOUBLE BOTTOM.				Poop Deck, Angle, [or [✓	
Solid Floors, thickness and spacing		48" x 30" ✓		Spacing		✓	
" " Are Frame and Reversed Frame joggled ?		No. ✓		Bridge Deck, Angle, [or [✓	
Bracket Floors, breadth and thickness at middle line		✓		Spacing.....		10" x 3 1/2" x 46" ✓	
" " breadth and thickness at margin plate.....		✓		Forecastle Deck, Angle, [or [36" x 27" x 24" ✓	
				Spacing.....		No 36" x 27" x 24" ✓	

(MADE IN ENGLAND.)

604557-004564-0212

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Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Open Hea*
bolvilles Ltd, South Durham. Steel & Iron Co Ltd, Smith & McLean Ltd, ✓
Lanarkshire Steel Co., Dorman, Long & Co Ltd, Steel Company of Scotland ✓

Has the Steel been tested as required by the Rules?

Yes.

Lloyd's Register
Foundation

"BALAENA".

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NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under *framing, &c.*, on the first page.

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Committee's Minute

Character assigned

+100A1 "with Increased" Whaling Service

004557-004569-004584-0212

page. Lloyd's Register
Foundation

HAWSERS AND WARPS.

Steering Gear, Type (Power or hand) STEAM - DONKIN & CO LTP ✓ Alternative Means of Steering To CAPSTANS. ✓

Steering Chains (Size and Test) TELE MOTOR CONTROL. ✓ Windlass STEAM - CLARKE CHAPMAN ✓ Boats 14 - 27' LIFEBOATS ✓
2 - 27' MOTOR BOATS. ✓

FORE FORE HOLD ✓

Ceiling in Hold thickness and material 7" x 2 1/2" W.P. ✓ Cargo Battens thickness, material and spacing 6" x 2" WP, 6" APART.

Cargo Hatchways. (Upper Deck) FOLE STEEL PLATES & ANGLES. ✓ Thickness of Hatches 2 1/2". ✓

Size of Hatchways No. 1 (Fwd.) 9' x 18' NO. 2 ✓ NO. 3 ✓ NO. 4 ✓ NO. 5 ✓ NO. 6 ✓
ONE. 36 CARGO HATCHES TO TANKS (ON TANK TANK) OF STEEL PLATES & O.T. COVERS. ✓
38 W.T. HATCHES TO PRESS. BOILERS ON FLENSING DECK OF STEEL ANGLE COAMINGS
& BOLTED PLATE COVERS. ✓

Number of Shifting Beams }
and/or Fore and Afters }

FOR HARLAND AND WOLF LIMITED.
Builder's Signature M. J. Mansell

This vessel has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on approved plans. The materials and workmanship are good. All cargo tanks, oil fuel bunkers, deep tanks forward, fore and aft peaks, fresh water tanks, double bottom tanks in machinery space and cofferdams have been tested to Rule Requirements with satisfactory results. Weather decks and W.T. Bulkheads, deckhouses and sidelights satisfactorily hose tested. Windlass and ^{power}

(Special notations, where part of class, to be stated.)
 "WHALING SERVICE," CARRYING OIL FUEL IN BULK - F.P. ABOVE 150° F.
 "LONGITUDINAL FRAMING AT BOTTOM AND AT TANK DECK",
 "STRENGTHENED FOR NAVIGATION IN ICE".
 WE ARE ^{1/2} of opinion the Vessel should be Classed ^{1/2} WITH 100A-1 FREEBOARD
 AND AS ABOVE, SUBJECT AS PER PAGE 4.

Signatures *Wm. Ballou, & J. Miller.*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute ✓
Character assigned

FRI. 22 NOV 1946

+ 100A1 "with freeboard" Whaling Service
9.46 Bel Carrying oil in bulk F.P. above 150°F
Mch. Aft. Fitted for oil fuel 9.46 F.P. above 150°F
Lloyd's A & C.P. + LMC 9.46 Subject
"Strengthened for navigation in ice" F.D. C.L.
White Bel. 75.B. 220lb Spt.

6 PR. B. 8
33 " 70
9 " 60
2 " 30
6 " 10

004557-004569-02/2 3/3

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.)

Steering gear tested under working conditions at sea and found satisfactory.
 Bilge suction tested and found satisfactory.
 The freeboards assigned have been marked on the vessel's sides, verified and cut in and the freeboard certificates issued.
 The space forward between Tank deck and Upper flat has been insulated for the carriage of refrigerated cargoes (for particulars - see Refrigeration machinery Report - Rpt. 17).
 The above spaces have been insulated in accordance with Rule Requirements and approved plan.

Forging & Basting Reports for Rudder post, rudder mainpiece, arms and rudder head, quadrant stiller, stem and steel derricks, forwarded herewith.
 Interim certificate issued. Copy attached, with list of outstanding items and copy of letter forwarded to Oslo Surveyors.

With regard to the outstanding items, it is expected that these will be dealt with by the Oslo and Southampton Surveyors.

This vessel is a sister ship of "Southern Venture" built by Jerness S.B.B. (No. 388) with modifications above Tank Deck.
 Plans being forwarded under separate cover.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of shell plating from keel to upper turn of bilge, butts of all deck plating, rudder, main cargo tanks bulkheads, girders on tank bulkheads, bunker bulkheads, double bottom tank top plating, pillar heads and heels, deck girder butts and sundry connections.

SPECIAL NOTATIONS—Either as part of the vessel's class or for record in the Register Book.

D.F., E.S.D., GYC, RADAR (TYPES 268 AND 291).

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

1st Bower 70-2-21, A.E.G., 8012, 30/11/45.
 2nd " 70-2-14, A.E.G., 8013, 30/11/45.
 3rd " 70-0-23, A.E.G., 8015, 30/11/45.
 STREAM 29-1-15, A.E.G., 7084, 5/1/45.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 100 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 180965. Signal Letters. Extreme Breadth over Belting No BELTING. Over-all Length 555.0' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 DECKS - STEEL.

Parts of Bottom of Vessel coated with cement or approved composition. FORE & AFT PEAKS, DEEP TANKS FORWARD & PUMP ROOM.

Particulars of composition (if fitted) and of approval.

PARTICULARS OF WATER BALLAST—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	100 ✓	522 ✓	Fore peak tank,	✓	396
Double bottom, under Engines and Boilers,	✓		After peak tank,	✓	432
Double bottom, if under Engines only,	✓		Deep tank, aft,	47.0 ✓	1068
Double bottom, if under Boilers only,	✓		Deep tank forward,	✓	
Double bottom, forward,	✓		Other tanks, if fitted,		
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 941

Date 20/4/45.

Dates of Surveys held while building

1945
 May 18, 22, 23, 24, 25, 29 June 6, 14, 19, 25 July 3, 5, 6, 20, 25, 31 Aug 3, 6, 8, 9, 10, 13, 17, 22, 29, 30 Sept 4, 12, 14, 19, 20, 31
 12, 14, 17, 19, 21, 25, 26, 27 Oct. 3, 8, 9, 10, 11, 15, 17, 22, 23, 26 Nov. 1, 2, 7, 15, 16, 20 Dec. 4, 12, 14, 17, 20, 31
 10, 11, 14, 21, 23, 29, 31 Feb. 1, 4, 5, 6, 11, 13, 15, 18, 19, 21, 22, 25, 26, 27, 28, 29 Mar. 1, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 18, 20, 21, 22, 25, 28, 29
 Apr. 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 24, 25, 26, 29, 30 May 1, 2, 6, 7, 8, 9, 10, 13, 14, 16, 17, 20, 21, 22, 24, 27, 28, 29
 June 4, 5, 6, 7, 10, 12, 13, 17, 20, 24, 25, 26, 28 July 2, 3, 5, 8, 18, 22, 24, 25, 26, 30, 31
 Aug. 1, 9, 12, 13, 14, 15, 20, 21, 22, 26, 27 Sept. 3, 4, 5, 6, 9, 12, 16, 17, 18, 19, 20, 23, 24, 25 Total No. of Visits 196
 26, 27, 28

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