

25 APR 1928
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 _____

21st April. 1928.

Port of GREENOCK

No. 18877

Survey held at PORT GLASGOW

Date First Survey 8th February 1924 Last Survey 18th April 1928

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **TWIN SCREW MOTOR VESSEL "ATHEL MONARCH" MACHINERY AFT**

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

FULL SCANTLING, LONGITUDINAL FRAMING

State Type of Erections POOP, BRIDGE, FCLE

TONNAGE under } 8354.22
Tonnage Deck... }

CLASS 100.A.1.

State if with freeboard } No
as condition of Class }

Built at PORT GLASGOW.

Do. of space or spaces
between Tonnage Dk.
and Upper Dk.

Length from fore part of stem to after part of stern } L 473.8
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (*greatest moulded*) **B** 63.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } **D** 35.0

1st Longitudinal Number (L x D)..... = 16583.C

2nd Numeral $L \times (B + D) \dots\dots\dots = 46432.2$

Framing Depth "d," at middle of length. See } 22.67
Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 13.53

Do. ~~Long~~ Bridge to top of keel } 11.0

Draught Moulded (26-10 1/4)

Launched FEBY 10TH 1928 Yard No. 400

Builders WILLIAM HAMILTON & Co (1928)

Owners UNITED MOLASSES CO LTD

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

Residence LONDON

Port of Registry LIVERPOOL

If surveyed while building, afloat, or in dry dock

BUILDING & AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

[illegible]

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.....	PILLARS IN		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	FORE & AFTER ENDS		Thickness of Plating abreast Deck openings in way of Wells	✓	45
" " " " " "	AS PER APPROVED		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds	PLANS.		Thickness of Plating within line of openings...	✓	
" " " " " "			If Sheathed, material and thickness	NOT SHEATHED	
Centre Line Bulkhead. OIL TIGHT.	4 3/4 x 36 BA TO 9 3/4 x 46 BA	AND AS APPROVED	Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of	39-51		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells.....	72 1/2 x 85	App. 69 x 74	If Plated, state thickness		
" " " " " " in way of Bridge			Poop Deck.		
" Angle in Wells	7 7/8		Stringer Plate, breadth and thickness	30 x 38	
Thickness of Plating abreast Deck openings in way of Wells	3 STRAKES .80	Appd .74	Plating, Sheathing, material and thickness	32 WITH 5.3 P.P.	
Thickness of Plating abreast Deck openings in way of Bridge	1 " .45		Bridge Deck.		
Thickness of Plating within line of openings...	.45		Stringer Plate, breadth and thickness.....	49 x 44	
If Sheathed, material and thickness	NOT SHEATHED		Plating, Sheathing, material and thickness	34 WITH 5.2 1/2 P.P.	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells.....	74 x 46		Stringer Plate, breadth and thickness.....	36 x 38	
			Plating, Sheathing, material and thickness	26 WITH 5.3 P.P.	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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.	
FLAT PLATE KEEL	54	1.01	.80	.80	✓	DOUBLE	1" 4	FIVE	1 1/8	5"	LAPPED
" DELG. (if any)											
BOTTOM PLATING, No. of Strakes68	.52	.52	BOSS PLATING .80 BUTTS QUAD. RIV.	"	7/8 3 1/2	QUADRUPE	7/8	3 1/2	"
BILGE PLATING, No. of Strakes68	.52	.52		"	7/8 3 1/2	"	7/8	3 1/2	"
SIDE PLATING, No. of Strakes64	.48	.48		TREBLE & DOUBLE	7/8 3 1/2	"	7/8	3 1/2	"
UPPER DECK, Sheer-strake in Wells.....	52	1.25	.48	.48	Appd 1.04	"	1 1/8 4 1/2	QUINTUPLE	1 1/8	5"	"
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	52	.96	.48	.48	Appd .90	"	1" 4	QUINTUPLE	1"	4 1/2	"
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING42			SINGLE	7/8 3 1/2	SINGLE	7/8	3 1/8	"
BRIDGE SIDE PLATING ...	54 1/4	.44				"	7/8 3 1/2	"	7/8	3 1/8	"
FORECASTLE SIDE PLATING			.44			"	7/8 3 1/2	"	7/8	3 1/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c).....	ten				
" Deck next below	six				
As per Rule	eight				
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD. SUMMER TANK, Upper 'tween decks34	6 1/2 x 3 3/4	31"	✓	✓
" " EXPANSION TRUNK Second	36-34	6 1/2 x 3 3/4	31"	✓	30"
" " Third		7 x 3 3/4	34"		
" " Holds	57-36	3 WEBS AS APPD	7 1/2 x 3 3/4	42"	30"
COLLISION " (in Hold)	38-48	9 1/2 x 3 3/4	52"	31"	10 1/2 x 3 3/4
AFTER PEAK "	32-52	11 x 3 3/4	48 BA	24"	W.T. FLAT

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE KEEL			
STEM	ROLLED	10 1/2 x 2 3/4	✓	
STERN FRAME	Propeller Post	CASE TWIN SCREW	STAHLEWARR	ALSO
	Rudder	STEEL	11 x 3 3/8	KRIEGER. PROPELLER BRACKETS
RUDDER—A x D		635.76		
Speed of Vessel		11 KNOTS.	FRIED	
RUDDER mainpiece at head ...		12 3/8	KRUPP A.G.	
" " heel ...		9 1/2		
" how constructed		FORGED ARMS & MAINPIECE		
" 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)

Has the Steel been tested as required by the Rules? yes

S. S. ATHELMONARCH

PARTICULARS OF LONGITUDINAL FRAMING.

GEN

FRAMING.

AMIDSHIPS.

ENDS.

AMIDSHIPS.

ENDS.

RIVETING.

Framing of L, L or C
Frames in Bridge 'tween Decks...
Frames from Uppermost Continuous Deck

In Ship.

In Ship.

Per Rule or as approved.

Per Rule or as approved.

Rivets in Longitudinal Frames.

Spacing of Rivets on each side of Transverses and Bulkheads.

Rivets in Brackets to Bulkheads.

No. 1

No. 2

No. 3

No. 4

No. 5

No. 6

No. 7

No. 8

No. 9

No. 10

No. 11

No. 12

No. 13

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No. 19

No. 20

No. 21

No. 22

No. 23

No. 24

No. 25

No. 26

No. 27

No. 28

No. 29

No. 30

Spacing of Longitudinal Frames

Amidships

At Ends

Double Bottoms

Tank Top Longitudinals

Bottom

Spacing of Longitudinals

Amidships

At Ends

Transverses.

In Bridge

'tween Decks

In Awning, Shelter or Upper 'tween Decks.

In Hold.

Spacing of Transverse Frames

* State if joggled or liners.

Longitudinal Beams of

Bridge Deck

Awg. or Shl. Dk.

Upper

Second

Third

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

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

No. and Material of Decks

Transverse Beams.

In Ships.

As approved.

Plate.

Angles.

Plate.

Angles.

Plate.

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Description.

Number

Iron or Steel

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Under Tonnage D

Space or spaces b

Turret or Trunk

Forecastle...

Bridge space

Poop or Break

Side Houses

Deck Houses

Chart House

Spaces for machin

Section 78 (2) of

1894

Excess of Hatchwa

Gross Ton

Deductions, as pe

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing the Plans should be embodied.)

Lot of plans

Midship Section, Profile & Deck plan, Sternframe rudder & Stem, Propeller brackets, Bossing plan, Fore end longitudinal, Aft end longitudinal, Amended profile, Strong beam at frame 42, Web frame at frame 18, Bulkhead at frame 46, Engine seating, pumping arrangement. Forging reports on rudder, stem frame, propeller brackets

Midship Section & Profile & Deck plans as built.

When entering the James Watt dock on Feb. 10th 1928, vessel struck a dolphin. The shell plating was indented in two places. The caulking & riveting in way of damage was examined and the plates were forced in place. On completion of work, the tanks were filled & damages examined.

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

1st Bower 47.1.9 : M.B. : 3431 : 13/12/27.
2nd „ 47.0.6 : R.W.F. : 6703 : 28/12/27.
3rd „ 39.3.24 : M.B. : 3428 : 16/12/27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 118.9 ft., R.Q.D. ft., Bridge 34.4 ft., Forecastle 47.9 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)

2 DKS (Stl) & WEB FRAMES.

Official No. 149,673.

Signal Letters

Is bottom of Vessel coated with cement. ✓

if not given

particulars of composition CEMENT FILLETS IN DOUBLE BOTTOM & IN CARGO TANKS.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity, Tons.	Where Fitted.	*Length. Feet.	Water Capacity, Tons.
Double bottom, aft,			Fore peak tank,		219
Double bottom, under Engines and Boilers,			After peak tank,		434
Double bottom, if under Engines only,	257.5	88 300	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tanks forward, WATER BALLAST OR OIL FUEL	48'-5"	701
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	88	(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. 3208.

Date 21st January 1928

Dates of Surveys held while building

(1924) Feb. 8-9-15-23-24 Mar. 18-25 Apr. 13-15-18-26-28 May 12-18-23-24 June 1-3-9-15-16-14-22-23-24 July 13-15-14-25-26-24-28-29 Aug. 1-3-4-5-8-9-10-11-12-15-16-14-18-19-23-29-30-31 Sept. 1-6-4-9-13-14-15-20-21-22-23-26-24-28-29-30 Oct. 4-5-6-10-12-14-18-19-20-21-24-26-24-28-31 Nov. 2-3-4-8-10-14-15-16-18-21-23-25-28-29 Dec. 1-2-5-6-7-8-9-12-14-16-20-22-23-26-28-30 (1928) Jan. 5-6-9-10-12-13-14-14-18-19-20-23-24-25-26-24-28-30-31 Feb. 1-2-3-4-6-4-8-10-13-16-23 Mar. 1-6-8-15-23-24 Apr. 4-11-12-18

Total No. of Visits 153.