

Rpt. 1.

BOOM DEFENCE VESSEL

STEEL STEAMER or MOTORSHIP

Received at London Office DEC 14 1938

ADMIRALTY
CASE

State if Report has been sent on the Freeboard of the Vessel
State if Report is sent on the Machinery of the Vessel *Yes*
Date of completion of report *8th December 1938* Port of *Glasgow*
Survey held at *Renfrew* Date First Survey *15th Nov 1937* Last Survey *2nd December 1938*
On the *(State of Machinery fitted Aft and* *Single Screw Boom Defence Vessel* *H.M.S. "BARMOUTH"* *(Machinery)*
State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* *Full Scantling* State Type of Erections *none*
TONNAGE under Tonnage Deck... *WRECK SECTION No. 911* CLASS *+100 A- (State if with freeboard) For Government Service* Built at *Renfrew*
Do. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 150.0*
Total Breadth (greatest moulded) *B 32.0*
Gross Tonnage *625.68* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 17.0*
Register Tonnage 1st Longitudinal Number (L x D) = *2652* Managers *(Where necessary to be entered in Reg. Book.)*
2nd Numeral L x (B + D) = *7644* Residence *London*
REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *7.8 (etc)* Port of Registry
Proportions—Depth to Length—Uppermost continuous deck to top of keel *9.2* If surveyed while building, afloat, ~~or~~ in dry dock *Yes*
Do. Long Bridge to top of keel
Draught Moulded

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>23</i>	<input checked="" type="checkbox"/>	Bracket Floors, Frame		
" " from $\frac{3}{4}$ length amidships to Collision bulkhead.....	<i>23</i>	<input checked="" type="checkbox"/>	" " Reversed Frame		
" " in peaks.....	<i>23</i>	<input checked="" type="checkbox"/>	" " Vertical Struts		
FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or [	<i>6 3.40</i>	<input checked="" type="checkbox"/>	" " top Angles		
<i>Clear of coal bunkers</i>	<i>5 3.34</i>	<input checked="" type="checkbox"/>	" " bottom Angles		
" " Extends up to	<i>upper dk.</i>	<input checked="" type="checkbox"/>	Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle	<i>3 3.34</i>	<input checked="" type="checkbox"/>	Margin Plate depth (excl. of flange) and thickness		
" " Extends up to	<i>across floors</i>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side		
Depth of Framing Girder	<i>6 "x 5"</i>	<input checked="" type="checkbox"/>	Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or [	<i>5 3.34</i>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, [or [	<i>✓</i>		Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Third " " " "	<i>✓</i>		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " from $\frac{1}{2}$ len. for'd. to $1\frac{1}{2}$ len. from Stem	<i>5 3.34 BA ✓</i>		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " in Peaks, Angle or [	<i>5 3.30</i>	<input checked="" type="checkbox"/>	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 @ 5 1/4</i>	<input checked="" type="checkbox"/>	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>	<input checked="" type="checkbox"/>	Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>	<input checked="" type="checkbox"/>	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E & P spaces and framing in Bunkers and Boiler Room?	<i>Yes</i>	<input checked="" type="checkbox"/>
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>19 1/2 x 34</i>	<input checked="" type="checkbox"/>	Uppermost Continuous Deck, amidships in Wells, Angle, E or [	<i>5 3.30</i>	<input checked="" type="checkbox"/>
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, [or [<i>✓</i>	
Middle Line Keelson, on Floors, Angles, E or [	<i>5 3.40</i>	<input checked="" type="checkbox"/>	Spacing	<i>23</i>	<input checked="" type="checkbox"/>
" " Through Plate or Intercoastal Plate	<i>.35</i>	<input checked="" type="checkbox"/>	Second Deck, amidships, Angle, E or [	<i>7 3.40</i>	<input checked="" type="checkbox"/>
" " Foundation Plate on Floors	<i>✓</i>		<i>Clear of fuel & F.W. tanks</i>	<i>5 3.34</i>	<input checked="" type="checkbox"/>
" " Flat Plate Keel Angles	<i>3 1/2 x 3 1/2 x 42</i>	<input checked="" type="checkbox"/>	Spacing	<i>23</i>	<input checked="" type="checkbox"/>
Side Keelsons, No. each side	<i>one</i>	<input checked="" type="checkbox"/>	Third Deck, amidships, Angle, [or [<i>✓</i>	
" " thickness of Intercoastal Plate	<i>.31</i>	<input checked="" type="checkbox"/>	Spacing	<i>✓</i>	
" " B. Angle	<i>6 3.40</i>	<input checked="" type="checkbox"/>	Fourth Deck, amidships, Angle, [or [<i>✓</i>	
Spacing	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Poop Deck, Angle, [or [<i>✓</i>	
Solid Floors, thickness and spacing	<i>✓</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>✓</i>		Bridge Deck, Angle, [or [<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing	<i>✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>		Forecastle Deck, Angle, E or [<i>✓</i>	
			Spacing	<i>✓</i>	

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>two</i>	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	<i>2 1/2" diam to suit angls.</i>	✓	Thickness of Plating abreast Deck openings in way of Wells	<i>deck plating</i>	
" " " " " "		✓	Thickness of Plating abreast Deck openings in way of Bridge	<i>30 x 26</i>	✓
" in Holds " " " "	<i>3" diam to suit angls.</i>	✓	Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			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	<i>44 1/2 x 33</i>	✓	If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	<i>3 1/2 3 1/2 34</i>	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells			Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	<i>deck plating 29</i>	✓	Bridge Deck.		
Thickness of Plating within line of openings...			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 Wells...	<i>30</i>	✓	Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	40	46	42	42		Double	3/4	27/8	Treble	3/4	25/8	Strapped	
„ DBLG. (if any) ✓													
BOTTOM PLATING, No. of Strakes .....2}		37	40	37		„	„	„	Double	„	„	Lapped	
BILGE PLATING, No. of Strakes .....2}		37	33	33		„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes .....1}		37	33	33		„	„	„	„	„	„	„	
UPPER DECK, Sheer-strake in Wells.....}	50	40	33	33	44 x 40	„	„	„	Treble	„	„	Strapped	
UPPER DECK, Sheer-strake in Bridge ...}	✓												
STRAKE BELOW Sheer-strake in Wells.....}		37	33	33		„	„	„	Double	„	„	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...}	✓												
POOP SIDE PLATING	✓	NOTE:-											
BRIDGE SIDE PLATING ...	✓	2 1/2" sheathing (Canadian Rock elm)											
FORECASTLE SIDE PLATING	✓	ford, frames 7 to 27, in way of											
		sheerstrake and three strakes below.											

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>8 in R.B.</i>
Extending to Upper Deck (Sec. 3 c)	<i>7 784</i>
" Deck next below	<i>1</i>
As per Rule	<i>app'd.</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<i>No. 31.</i>					
MIDSHIP BULKHD, Upper tween decks	✓	<i>26</i>	<i>5 x 3 x 30</i>	<i>30</i>	
" " Second "	✓				
" " Third "	✓				
" " Holds		<i>36</i>	<i>B.A.</i>	<i>30</i>	
" " " " " "		<i>28</i>	<i>5 x 3 x 32</i>	<i>24</i>	
COLLISION " <i>No. 4</i> (in Hold)		<i>36-30</i>	<i>5 x 3 x 40</i>	<i>24</i>	<i>deck</i>
AFTER PEAK " <i>No. 69</i> " <i>23</i>		<i>30-26</i>	<i>5 x 3 x 34</i>	<i>24</i>	<i>flat</i>
		<i>34-28</i>	<i>5 x 3 x 30</i>	<i>24</i>	
		<i>28-26</i>	<i>5 x 3 x 30</i>	<i>30</i>	
		<i>50-30</i>	<i>5 x 3 x 30</i>	<i>24</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar			<i>Flat plate</i>	✓
STEM			<i>as Forster & Sons</i>	
STERN FRAME { Propeller Post	<i>Forging</i>	<i>6 1/4 x 4 1/4</i>	<i>Forster</i>	✓
{ Rudder "		<i>5 3/4 x 4 1/4</i>	<i>Sons</i>	✓
Speed of Vessel			<i>under 12 knots</i>	✓
RUDDER—Type.....			<i>Ordinary</i>	✓
" A x D			<i>126.4</i>	✓
" Diam. of head			<i>5 3/4 Forster</i>	✓
" Mainpiece at top pintle	<i>Forging</i>	<i>5 3/4</i>	<i>Sons</i>	✓
" " heel ...			<i>4 3/4</i>	✓
" how constructed			<i>Forged</i>	✓
" double or single plate			<i>75</i>	✓
" coupling, vertical or horizontal			<i>horizontal</i>	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>Steel Co. of Scotland. — Lanarkshire Steel Co. — Open hearth</i>
	<i>Scottish Iron & Steel Co. — South Durham S. & I. Co. — Colvilles Ltd.</i>	
	Has the Steel been tested as required by the Rules?	<i>Yes</i>

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 Vessel:— H.M.S. "BARLOW" — W^m Simons & Co's No 720. Gls. Rpt No 60313.

List of approved plans forwarded herewith:—
(Midship Section, as built, forwarded in advance)

Structural Sections

Profile & decks

Shell expansion

Stern frame & rudder

Stem.

Engine & Boiler Seats.

Bulkheads

After end framing

Main hatches

Amended hatches.

Details of hatches.

Pockets in upper deck.

Forward deck house

After deck house

Collars at lower dk

Steering gear ang't.

Pumping plan.

Three forgings certificates.

PARTICULARS OF ELECTRIC WELDING (if employed)

Stems of minor importance only. ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book +100A "For Government Service"
—Winders — modified cruiser stern — Machy aft. — 1 dk. — 2nd dk. —
ford. of machinery space. —

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

1st Bower ✓
2nd „ ✓
3rd „ ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. ✓ Signal Letters ✓

Extreme Breadth over Belting ✓

No. and Material of Decks 1 dk. — 2nd dk. ford. of machinery space. Over-all Length 178' 3 1/4" (over horns) (Circ. 1611) (Circ. 1703)

Parts of Bottom of Vessel coated with cement or approved composition none. 2 Dks

Particulars of composition (if fitted) and of approval ✓ paint.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Cirr. 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,	✓		Fore peak tank,		52 ✓
Double bottom, under Engines and Boilers,	✓		After peak tank,		37 ✓
Double bottom, if under Engines only,	✓		Deep tank, aft,		25 ✓
Double bottom, if under Boilers only,	✓		Deep tank, forward,	11' 6"	25 ✓
Double bottom, forward,	✓		Other tanks, if fitted,	5' 9"	21 F.W. ✓
Total length (if continuous) and Capacity	✓			3' 10"	14 F.W. ✓

Order for Special Survey No. 6389

Date 30.11.37

Dates of Surveys
held while building

1937 Nov.: 15. 24. 29 Dec.: 23. 29 (1938) Jan.: 12. 19. 27 Feb.: 3. 10. 11. 23 Mar.: 2. 8. 22. 31
Apr.: 12. 25 May.: 2. 6. 11. 18. 25 June.: 2. 21. 29 July.: 29 Aug.: 16 Sep.: 5 Oct.: 7. 11. 18
21 Nov.: 7. 14 Dec.: 2

Total No. of Visits 36