

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER~~, SAILER SS "EMPIRE MAGPIE" ex "BELLEMINA" WITH ~~WITHOUT~~ TIMBER DECK CARGO

Nationality BRITISH Builders' Name and No. of Ship FEDERAL S.B. & D.D. Co.

Port of Registry LONDON HONG KONG No. 30.

Official Number 168185 Owners M/W.T. (Mans C.P.S. Co LTO. GLASGOW).

Gross Tonnage 6085 6210.72

Date of Build 10/1919 Port and Date of survey GLASGOW. May/June 1941.

Particulars of Classification 85. (WITH FREEBOARD) Name of Surveyor A. MACARTHUR.
(PREVIOUSLY AB.)

Type of Superstructures POOP Bridge and Forecastle. Names of Sister Ships

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

TROPICAL FRESH WATER LINE above centre of disc	<u>14"</u> ✓	Corresponding Freeboard	<u>7'-11"</u> ✓
FRESH WATER LINE " " "	<u>7 1/4"</u> ✓	" "	<u>6'-9"</u>
TROPICAL LINE " " "	<u>6 3/4"</u> ✓	" "	<u>7'-3 1/2"</u>
WINTER LINE below " "	<u>6 3/4"</u> ✓	" "	<u>7'-4 1/4"</u>
WINTER NORTH ATLANTIC LINE " " "	-	" "	<u>9'-5 3/4"</u>

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.	Corresponding Freeboard
FRESH WATER " " " "	" "
TROPICAL " " " "	" "
WINTER " " below "	" "
WINTER NORTH ATLANTIC " " " "	" "

Number of years recommended for load line certificate

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the

2nd July 1941



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Secretary

002215-002221-0086

	+	-	Sailer, Tanker, Steamer	Timber
Depth correction	25.74	-		
Deduction for superstructures	-	12.91	Depth to Freeboard Deck in feet	34.957
Sheer correction	6.14	-	Summer Freeboard in feet	7.917
Round of Beam correction			Moulded Draught (d)	27.044
Correction for thickness of deck amidships	2.74	-	Addition for Keel	1.146
Other corrections, scantlings, etc.			Extreme draught	27.186
	32.18	12.91 + 19.27	Deduction for Tropical and addition for Winter freeboard d/4 =	6.76
Summer Freeboard in Inches	7.11	=	Addition for Winter North Atlantic (if required)	-
Additional allowance for superstructures on			Deduction for Tropical Timber Freeboard $\frac{d}{4}$	-
Timber carrying ships	=	-	Addition for Winter " " $\frac{d}{3}$	=
Summer Timber Freeboard in inches	=	-	" " N.A. Timber Freeboard (if required)	=

Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship

The drawing illustrates the deck layout of a ship, showing the position and dimensions of superstructure decks, bulkheads, openings, and cargo/coaling hatchways. The layout is divided into three main sections: the bow (left), the midship (center), and the stern (right).

Dimensions and Deck Layout:

- Bow Section:** The bow section is marked with a dimension of 44'-9" for the "OPEN RAILS" area. It includes a "COMP." (companionway) and a "Superstructure Deck OPEN RAILS" area.
- Midship Section:** The midship section is marked with a dimension of 109'-6" for the "OPEN RAILS" area. It features a central "Accommodation" (Accom) area, a "COAL TRUNK" (Coal Trunk) area, and a "No. 3" compartment. The "Accom" area is further divided into "Accom 4" and "Accom 1".
- Stern Section:** The stern section is marked with a dimension of 38'-0" for the "Superstructure Deck OPEN RAILS" area. It includes a "Freeboard Deck" and a "No. 1" compartment.

Deck Details:

- The "Freeboard Deck" is shown at the bottom of the drawing, with various hatchways and openings labeled "FP" (Freeing Port) and "BARE STEEL".
- The "Accommodation" (Accom) area is shown in the center, with a "COAL TRUNK" (Coal Trunk) area and a "No. 3" compartment.
- The "No. 1" and "No. 2" compartments are shown on the right side of the deck.
- The "No. 4" and "No. 5" compartments are shown on the left side of the deck.

The drawing provides a detailed view of the ship's deck layout, including the position and dimensions of superstructure decks, bulkheads, openings, and cargo/coaling hatchways.

Number and description of Hatchway from forward		no 1	no 2	no 3	2. Bunker Hatch	no 4 & 5	Access Hatch to Hold
Dimensions of Hatchway		33'6" x 17'10"	31'10" x 17'10"	10'6" x 17'10"	8'0" x 32'2"	31'6" x 17'10"	28' x 30'
COAMINGS	Height above deck	33" c.l.	33"	30"	23"	33"	28" x 30"
	Thickness	27" S	27"	27"	23"	27"	28" x 30"
	Stiffeners	1/2" 1/2"	1/2" 1/2"	7/16"	7/16"	1/2" 1/2"	28" x 30"
	Brackets or Stays	7" Horiz Channels	as 1	none	none	as 1	28" x 30"
HATCH BEAMS	Number	6	6	2	6	6	28" x 30"
	Spacing	5'4"	5'4"	4'2" + 3'4"	5'4"	5'4"	28" x 30"
	Scantling and Sketch	14" x 7" x 1/2"	as 1	as 1	as 1	as 1	28" x 30"
	Bearing Surface and thickness of carriers or sockets	1 1/4" x 3"	as 1	as 1	as 1	as 1	28" x 30"
FORE AND AFTERS	Number						
	Spacing						
	Unsupported lengths						
	Scantling and Sketch						
HATCH COVERS	Bearing Surface and thickness of carriers or sockets						
	Material	Wood	Wood	Wood	Wood	Wood	Steel
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3/8"
	How Fitted	2 & 2	as 1	as 1	Trans.	as 1	as 1
Bearing Surface		26" x 26"	26" x 26"	26" x 26"	26" x 26"	26" x 26"	26" x 26"
Spacing of Cleats		3	3	3	3	3	3
Number of Tarpaulins		3	3	3	3	3	3

s? Yes

Yes.

Are battens and wedges efficient and in good condition? *Yes*

Give full particulars of the following :—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Fiddle - steel hinged flaps with grating - 8" above Bridge L.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

None.

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

Poof. 18" sill. Steel hinged h. w. t. door 2
Handle Dogs. op. both sides.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

Freeboard L. - 16 @ 2 1/2" dia 2 @ 10' x 1 1/2" coaming riveted Wood Plugs & Canvas Covers
2 @ 14' x 1 1/2" " "
4 @ 12' x 1 1/2" " "
8 @ 50' x 3/8" " "
Forecastle L. - 1 @ 12" dia 34" x 3/8" " "
Bridge L. - 2 @ 2 1/2" dia 10' x 8 x 3/8" coaming riveted "
Poof L. - 1 @ 15" dia. 2 @ 12" dia 50 x 5/16 coaming " "
50 x 5/16 " "

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

Freeboard L. 10 fwd. L. 8 after L. 32" to 36" high. w. p.
Forecastle L. 1 under fiddle head 36" w. p.
Bridge L. 2 - 11' high (passageway) 2 - 34" high w. p.
Poof. 1 - 36" high. w. p.

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

From Tween L. - 10 @ 2 1/2" Scuppers to Bilge
" fide space 2 @ 2" overboard Clapper Valve at Shell. L.S.
" 1 @ 4" Disch. " " " "
" Bridge - 6 @ 2" Scupper " " " "
" 5 @ 4" Disch. " " " "
" Poof - 2 @ 3" Scupper " " " "
" 2 @ 2" " " " "
" 2 @ 4" Disch. " " " "

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

Fide - 8 of 12" @ sides, hinged w. t. - deadlight covers
2 - 12" - after Bhd.
Bridge - 2 @ 12" fide side only, 2 - 12" portlights in after
end Bridge L. hinged, w. t. deadlight covers.
Poof - 16 @ 12" @ sides & after end hinged, w. t.
with covers. 6 @ 12" port Bhd's, hinged, w. t.
covers.

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

Guard Rails on freeboard and superstructure decks (state type and where fitted)

Freeboard L. - Solid continuous steel, fitted with
6" channel diagonal braces spaced 12" average,
clipped to deck.
Superstructure Decks - Two tier pipe rail,
stanchions spaced 5-6" average.

Gangways and Lifelines

Gangway, Cargo and Coaling Ports in sides of ship



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