

Rpt. **WRECK**
DISCLOSED
SECTION
No. No.

N/N 'GRAND' STEEL STEAMER OR MOTORSHIP

No. 24115.

State if Report has been sent on the Freeboard of the Vessel YES (394/66)

State if Report is sent on the Machinery of the Vessel No

Date of completion of report 6-3-48 Port of SWANSEA

Survey held at SWANSEA Date First Survey 20-2-48 Last Survey 26-2-1948

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW STEAMER IVYBANK

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

State Type of Erections ✓

TONNAGE under } 6728.97
Tonnage Deck ... }

CLASS 100A1

State if with freeboard } ✓
as condition of Class }

Built at BALTIMORE Md.

Launched 1943 Yard No. 2258

Builders BETHLEHEM FAIRFIELD SHIPYARD INC.

Owners BANK LINE LD

Managers A. WEIR & CO

(Where necessary to be entered in Reg. Book)

Residence ✓

Port of Registry GLASGOW

If surveyed while building, afloat, or in dry dock

AFLOAT

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

6728.97

7255.81

4447.96

DIMENSIONS.

FEET

423.9

57.0

34.85

Length from fore part of stem to after part of stern } 417.73
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (greatest moulded) B 56.9

Depth, at middle of length from top of keel to top } 37.33
of beam at side of uppermost continuous } D
deck. See Sec. 3 (1c) }

1st Longitudinal Number (L x D) 15594

2nd Numeral L x (B + D) 39363

Framing Depth "d," at middle of length. See } 24.9
Sec. 3 (1d) }

Proportions—Depth to Length—Uppermost con- } 11.19
tinuous deck to top of keel }

Do. Long Bridge to } -
top of keel }

Draught Moulded 27'-8 3/4"

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.
acing amidships.....			Bracket Floors, Frame		
from 1/2 length amidships to } Collision bulkhead..... }			" " Reversed Frame.....		
in peaks <u>24</u>			" " Vertical Struts		
ING.			Centre Girder, depth and thickness amidships		
midships, Angle, [or]			" " top Angles		
Extends up to.....			" " bottom Angles.....		
Frame Amidships, Angle			Side Girders, No. each side and thickness.....		
Extends up to ...			Margin Plate depth (excl. of flange) and } thickness		
Framing Girder.....			" " Vertical Angle to Tank side } Bracket abaft 1/2 len. from } stem		
Uppermost Continuous 'tween } Decks, Angle, [or]			" " Vertical Angle to Tank side } Bracket from forward 1/2 len. } from stem to Panting Area } Gussets, spacing and scantling } abaft 1/2 len. from stem..... }		
Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling } from forward 1/2 len. from stem } to Panting Area		
Third " " " "			Tank Side Brackets, height above base line } at toe of Frame and thickness }		
1/2 len. for'd. to 15% len. from } Stem	<u>8</u>	<u>3 1/2 .48</u> FORE PEAK	INNER BOTTOM PLATING.		
Peaks, Angle or [<u>8</u> <u>3 1/2 .38</u> AFT PEAK.			Breadth and thickness of Middle Line Strake...		
and Spacing of Rivets through } Frame and Shell Plating } PEAKS..... }	<u>3/8</u>	<u>- 5 1/2 D</u>	Thickness of remainder in Holds		
Frame Joggled.....			Are Rule requirements complied with regard- } ing increases of scantlings in way of double } bottom in E. & B. space and framing in } Bunkers and Boiler Room ?..... }		
scantlings and arrangements in the } Area in accordance with the Rules } as approved ?			BEAMS.		
antlings and arrangements in way } Bottom Forward in accordance with } es and/or as approved ?..... }			Uppermost Continuous Deck, amidships in } Wells, Angle, [or] ... }		
TTOM.			" " in way of Bridge, Angle, } [or]		
epth and thickness at mid-line in } Holds..... }			Spacing		
eight of Brackets at side above } base line at toe of frame..... }			Second Deck, amidships, Angle, [or]		
ine Keelson, on Floors, Angles, } [or]			Spacing		
" " Through Plate or Inter- } costal Plate			Third Deck, amidships, Angle, [or]		
" " Foundation Plate on } Floors			Spacing.....		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, [or]		
ide Keelsons, No. each side.....			Spacing.....		
" " thickness of Intercostal Plate...			Poop Deck, Angle, [or]		
" " Angles			Spacing.....		
DOUBLE BOTTOM.			Bridge Deck, Angle, [or]		
Solid Floors, thickness and spacing			Spacing.....		
" " Are Frame and Reversed Frame } joggled ?			Forecastle Deck, Angle, [or]		
Bracket Floors, breadth and thickness at } middle line			Spacing.....		
" " breadth and thickness at } margin plate..... }					

PILLARS AND DECKS.
PILLARS, No. of Rows
in 'tween Decks, Size and Spacing
in Holds
Centre Line Bulkhead.
Stiffeners and Spacing
Plating, thickness of
STRINGERS AND DECKS.
Uppermost Continuous Deck.
Stringer Plate, breadth and thickness in Wells
in way of Bridge
Angle in Wells
Thickness of Plating abreast Deck openings
in way of Wells
in way of Bridge
Thickness of Plating within line of openings
If Sheathed, material and thickness
Second Deck.
Stringer Plate, breadth and thickness in Wells

EQUIPMENT No. LETTER ANCHORS.
Anchors. WEIGHT, EX. STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 53. Description of Anchor. Makers. Where and when tested, and Superintendent.

CHAIN CABLES. HAWSERS AND WARPS.
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. Breaking Test of Steel Wire. Length and size per Table 53.

Gear, Type (Power or hand) Alternative Means of Steering
Chains (Size and Test) Windlass Boats
Holds, thickness and material Cargo Battens, thickness, material and spacing
Hatches. Thickness of Hatches
Hatches No. 1 (Fwd.) No. 2 No. 3 No. 4 No. 5 No. 6
of Shifting Beams Fore and Afters
Builder's Signature

SHELL PLATING.
SCANTLINGS. RIVETING.
STRAKES. AS IN VESSEL. ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
Flat Plate Keel
Dblg. (if any)
Bottom Plating, No. of Strakes
Bilge Plating, No. of Strakes
Side Plating, No. of Strakes
Upper Deck, Sheer-strake in Wells
Upper Deck, Sheer-strake in Bridge
Strake below Sheer-strake in Wells
Strake below Sheer-strake in Bridge
Poop Side Plating
Bridge Side Plating
Forecastle Side Plating

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel. YES
whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. YES The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
VESSEL WAS ORIGINALLY BUILT UNDER THE SPECIAL SUPERVISION OF THE SURVEYORS TO THE AMERICAN SOCIETY OF SHIPPING AND WAS CLASSED WITH THAT SOCIETY.
SCANTLINGS AND ARRANGEMENTS HAVE BEEN EXAMINED WHERE EXPOSED AND FOUND TO BE IN ACCORDANCE WITH THE PLANS FOR THIS TYPE OF VESSEL.
SPECIAL SURVEY FOR CLASSIFICATION HAS BEEN ADVANCED AT THIS PORT (SEE REPORT 8) AND THE CONDITION, STANDARD OF WORKMANSHIP, AS NOW SEEN, IS CONSIDERED TO BE GOOD AND SATISFACTORY.
OIL BE CARRIED AS FUEL IN NOS 1,2,3,5,6 D.B. TANKS AND AS FUEL OR CARGO OIL IN NOS 1 & 2 TANKS IN NO 1 HOLD AND NO 3 DEEP TANK IN NO 4 HOLD.

WATERTIGHT BULKHEADS. FORGINGS AND CASTINGS.
Total No. of W.T. BULKHEADS in Vessel-
Extending to Upper Deck (Sec. 3 c)
Deck next below
As per Rule
MIDSHIP BULKH'D, Upper 'tween decks
Second
Third
Holds
COLLISION (in Hold)
AFTER PEAK
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
STEEL.
Has the Steel been tested as required by the Rules?

of Entry Fee. £ 9-3-19 48.
Special Survey Fee. 2 x 3. £ 98 - -
Received by me,
I am of opinion the Vessel should be Classed 100 A1 on completion of Survey.
LICENCE CASE. AMERICAN BUREAU OF SHIPPING.
Signature J. J. Tomlinson
Surveyor to Lloyd's Register of Shipping.
Owners London
Date of issue 28/11/48
WED 7 APR 1948
See Rpt 8

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 the Plans should be embodied.)

LIBRARY VESSEL "SAM" TYPE

2 RECORD OF S.S. 2.48

FOR COMPLETION OF SURVEY WITH A VIEW TO CLASSIFICATION 100A1 THE FOLLOWING REQUIREMENTS
REMAIN TO BE DEALT WITH:

VESSEL TO BE DRY DOCKED FOR EXAMINATION OF OUTSIDE PLATING & RUDDER; CHAIN LOCKER
TO BE EXAMINED; ANCHORS AND CABLE TO BE EXAMINED AND VERIFIED WITH ENDORSED
CERTIFICATES ISSUED BY THE AMERICAN BUREAU OF SHIPPING.

MIDSHIP SECTION PLAN OF THE VESSEL FROM WHICH MAIN SCANTLING OF VESSEL WERE VERIFIED
HEREWITH.

PARTICULARS OF ELECTRIC WELDING (if employed) "SAM" SHIP BUTTS OF SHELL AND DECK WELDED, FRAM
WELDED TO SHELL EXCEPT IN PEAKS.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book PART ELECTRIC WELDED. CRUISER
DIRECTION FINDER. ECHO SOUNDING DEVICE. FITTED FOR OIL FUEL F.P. ABOVE 150°F.

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

Official No. 169691 Signal Letters GCTL Extreme Breadth over Belting ✓ Over-all Length 441
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2- STEEL

Parts of Bottom of Vessel coated with cement or approved composition PEAK TANKS, FEED WATER D.B. TANKS, DRY TANK
COFFERDAM.

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.
	Feet.	Tons.		Feet.
Double bottom, aft, <u>N°5 & 6</u>	<u>135</u>	<u>368</u>	Fore peak tank,	
Double bottom, under Engines and Boilers, <u>COFFERDAM</u>	<u>2.5</u>	<u>-</u>	After peak tank,	
Double bottom, if under Engines only, <u>N°4</u>	<u>27.5</u>	<u>132</u>	Deep tank, aft, <u>N°3</u>	<u>20</u>
Double bottom, if under Boilers only, <u>DRY TANK</u>	<u>20.0</u>	<u>-</u>	Deep tank, forward, <u>N°1 & 2</u>	<u>61</u>
Double bottom, forward, <u>N°1, 2, 3.</u>	<u>183.25</u>	<u>735</u>	Other tanks, if fitted,	
Total length (if continuous) and Capacity	<u>368.25</u>	<u>1235</u>	(If necessary furnish further information by sketch.)	

Order for Special Survey No.

Date

Dates of Surveys
held while building

20th - 21st - 23rd - 24th - 25th - 26th FEBRUARY 1948



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Foundation