

## STEEL STEAMER OR MOTORSHIP.

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel.

29 OCT 1948

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

Date of completion of report 25-10-48

Port of SWANSEA

No. 24215.

1944

Survey held at SWANSEA

Date First Survey 7-10-48

Last Survey 15-10-

1948

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

SINGLE SCREW S.S. WILLOWBANK

Exc Samuray

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

LIBERTY SHIP

State Type of Erections

TONNAGE under Tonnage Deck ...

6728.97

CLASS 100A1

State if with freeboard as condition of Class

FEET

Built at PORTLAND Me.

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

Total 6728.97

Gross Tonnage 7287.98

Register Tonnage 4457.74

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

L 417.73

Breadth (greatest moulded)

B 56.9

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

D 37.33

1st Longitudinal Number (L x D)

15594

2nd Numeral L x (B + D)

39363

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

24.9

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

11.19

Do. Long Bridge to top of keel

✓

Draught Moulded

27'-8 3/4

Launched 1944

Yard No. 2221

Builders NEW ENGLAND S.B. CORP.

Owners BANK LINE LTD.

Managers A. WEIR SHIPPS & TRADING CO. LTD.  
(Where necessary to be entered in Reg. Book)

Residence

Port of Registry GLASGOW

If surveyed while building, afloat, or in dry dock

AFLOAT &amp; IN DRY DOCK

## 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.....			Bracket Floors, Frame .....		
"    "    from 1/2 length amidships to Collision bulkhead.....			"    "    Reversed Frame.....		
"    "    in peaks .....			"    "    Vertical Struts .....		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, [ or [ .....			"    "    top Angles .....		
"    "    Extends up to.....			"    "    bottom Angles.....		
Reversed Frame Amidships, Angle .....			Side Girders, No. each side and thickness.....		
"    "    Extends up to .....			Margin Plate depth (excl. of flange) and thickness .....		
Depth of Framing Girder.....			"    "    Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [ .....			"    "    Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....		
"    "    Second 'tween Decks, Angle, [ or [ .....			"    "    Gussets, spacing and scantling abaft 1/2 len. from stem.....		
"    "    Third .....			"    "    Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....		
"    "    from 1/2 len. for'd. to 15% len. from Stem .....			Tank Side Brackets, height above base line at toe of Frame and thickness		
"    "    in Peaks, Angle or [ .....			INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....			Breadth and thickness of Middle Line Strake...		
State if Frame Joggled.....			Thickness of remainder in Holds .....		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....			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?.....		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? .....			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [ or [ .....		
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 .....		
Middle Line Keelson, on Floors, Angles, [ or [ .....			Second Deck, amidships, Angle, [ or [ .....		
"    "    Through Plate or Intercostal Plate .....			Spacing .....		
"    "    Foundation Plate on Floors .....			Third Deck, amidships, Angle, [ or [ .....		
"    "    Flat Plate Keel Angles .....			Spacing.....		
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, [ or [ .....		
"    "    thickness of Intercostal Plate...			Spacing.....		
"    "    Angles .....			Poop Deck, Angle, [ or [ .....		
DOUBLE BOTTOM.			Spacing.....		
Solid Floors, thickness and spacing .....			Bridge Deck, Angle, [ or [ .....		
"    "    Are Frame and Reversed Frame joggled? .....			Spacing.....		
Bracket Floors, breadth and thickness at middle line .....			Forecastle Deck, Angle, [ or [ .....		
"    "    breadth and thickness at margin plate.....			Spacing.....		

(MADE IN ENGLAND.)

012624 - 012630 - 0068 1/2



[illegible]

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.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
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												

WATER-TIGHT BULKHEADS.				FORGINGS AND CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.			
Extending to Upper Deck (Sec. 3 c)				Scantlings.			
Deck next below				Maker's Name.			
As per Rule				Any Departure from Approved Plans to be Noted.			
STIFFENERS.				KEEL, Bar			
VERTICAL.				STEM			
HORIZONTAL.				STERN			
Scantlings.				FRAME			
Spacing.				Propeller Post			
Scantlings.				Rudder			
Spacing.				Speed of Vessel			
MIDSHIP BULKH'D, Upper 'tween decks				RUDDER—Type			
Second				A x D			
Third				Diam of head			
Holds				Mainpiece at top pintle			
COLLISION				heel			
(in Hold)				how constructed			
AFTER PEAK				double or single plate			
				coupling, vertical or			
				horizontal			

Has the Steel been tested as required by the Rules?

EQUIPMENT No. ....				LETTER <i>a + files.</i>		ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Surrendered.
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwts. qrs. lbs.	Cwts.			
PH7055	1st Bower ..	8400 <i>lbs</i>	✓	125690 <i>lbs</i>	✓ 68	PONELL STOCKLESS	PITTSBURGH STEEL	GLASSPORT, PA.
PA 1873	2nd "	8400 <i>lbs</i>	✓	125690 <i>lbs</i>	✓	PONELL STOCKLESS	PITTSBURGH STEEL	GLASSPORT, PA.
23377	3rd "	58 3 0	✓	48 4 1 14	✓	PONELL STOCKLESS	PITTSBURGH STEEL	GLASSPORT, PA.
	Collective weight	209 3	✓		✓ 194 1/2	MADE BY CS HEAD		CARPENT 24 3/4 48 FM DANCEY
PA 3162	Stream .....	3185 <i>lbs</i>	✓	61720 <i>lbs</i>	✓ 19	BALDT STOCKLESS		CHESTER 30/11/43

CHAIN CABLES.										HAWERS AND WARPS.								
Number of Certificate.	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.	
	Fathoms.	Inch.	Status.	Break- ing.	Supplied.	Per Rule.	Cwts.	Fathoms.	Inch.					Length.	Cir.		Tons.	Fathoms.
CH354	210	2 1/8	PASS	PASS	49424			2 1/8	LONG STUD	HOLLAND FURNACE CO HOLLAND MICH.	MICHIGAN 12-10-43.	TOWLINE	130	5	73-6	120	4 3/4	
6509 L.R.	15	2 1/8	107% PASS	49-3	33-2-0			2 1/8	TAYCO STUD	S. TAYLOR & SONS NEWBURY HILL BRISTOL AVONGARD	NETHERTON 16-5-46	HAWERS & WARPS	4	50FMS	23 1/2	STEEL WIRE		
3663	45	2 1/8	PASS	PASS	11358			2 1/8	DI-LONG	BENT ARCADE CANARY FORGE DIVISION	PA. 27-3-48 R.G.M. KENNEDY	"						
Iron Steam Cable - 77 Steel Wire	90	4"	-	59.7				3"	FLEXI STEEL			"						

Steering Gear, Type (Power or hand) STEAM WITH TELEMETOR CONTROL ✓ Alternative Means of Steering BLOCKS & TACKLE LED TO AFT WINCH.

Steering Chains (Size and Test) ✓ Windlass STEAM ✓ Boats 4 ✓

Ceiling in Holds, thickness and material Laid under hatchways ✓ Cargo Battens, thickness, material and spacing To be placed in order.

Cargo Hatchways.—(Upper Deck) STEEL PLATES & CHANNELS ✓ Thickness of Hatches 2 1/2" ✓ See letter 16.12.148

Size of Hatchways No. 1 (Fwd.) 33'9" x 20'0" No. 2 35'0" x 20'0" No. 3 20'0" x 20'0" No. 4 35' x 20' No. 5 35' x 20' No. 6

Number of Shifting Beams } 6 } and/or Fore and Afters } 6 } 3 } 6 } 6 }

Builder's Signature \_\_\_\_\_

**GENERAL 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  
(b) 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).

THIS VESSEL WAS ORIGINALLY BUILT UNDER THE SPECIAL SUPERVISION OF THE SURVEYORS TO THE AMERICAN BUREAU OF SHIPPING AND WAS CLASSED WITH THAT SOCIETY. ✓

THE SCANTLINGS AND ARRANGEMENTS HAVE BEEN EXAMINED WHERE EXPOSED AND FOUND TO BE IN ACCORDANCE WITH THE PLANS FOR THIS TYPE OF VESSEL.

THE SPECIAL SURVEY FOR CLASSIFICATION HAS NOW BEEN COMPLETED (SEE RPT 8) AND THE VESSEL'S CONDITION, STANDARD OF WORKMANSHIP, AS NOW SEEN, IS CONSIDERED TO BE GOOD AND SATISFACTORY.

OIL CAN BE CARRIED AS FUEL IN NOS 1, 2, 3, 5 & 6 DB TANKS AND AS FUEL OR CARGO OIL IN NO 3 DEEP TANK. ✓

THE STEERING GEAR, WINDLASS AND BILGE SUCTIONS WERE EXAMINED UNDER WORKING CONDITIONS AND FOUND SATISFACTORY. ✓

PARTICULARS OF THE VESSEL'S EQUIPMENT (WHERE AVAILABLE) AFTER VERIFICATION, WERE TAKEN FROM THE ENDORSED TEST CERTIFICATES ISSUED BY THE AMERICAN BUREAU OF SHIPPING. ✓

The amount of Entry Fee..... £ : : } Fees applied for, (Special notations, where part of class, to be stated.)  
Special Survey Fee..... £ : : } 19  
Travelling Expenses, if any ..... £ : : } Received by me, 19

I am of opinion the Vessel should be Classed 100 A1

State whether the Vessel has been built under Special Survey \_\_\_\_\_

Certificate to be sent to Andrew Weir Date of issue 23/1/18

Signature Jas. Bremchen Surveyor to Lloyd's Register of Shipping.

Committee's Minute ✓  
Character assigned 100171  
Carrying out F.P. above 150°F in deep tank aft  
Fitted for oil fuel F.P. above 150°F  
S.S. SWS - 10.48 10.48 SWS blassed 10.48  
C/S Dept- Sick) N 10.48  
White Ins  
LHC m56.47  
Lloyd's Re



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.)

LIBERTY VESSEL "SAM" TYPE

STRUCTURAL REINFORCEMENTS AS REQUIRED FOR SAM SHIPS HAVE NOW BEEN DEALT WITH. THE BOTTOM PLATING IS WAVED (SEE RPT 8 & CONTY SHEET) AND IN VIEW OF THIS IT IS RECOMMENDED THAT THE CLASS OF THE VESSEL SHOULD BE MADE SUBJECT WAVY BOTTOM PLATING BEING KEPT UNDER OBSERVATION AND SPECIALLY EXAMINED AT NEXT DRY DOCKING.

PARTICULARS OF ELECTRIC WELDING (if employed) "SAM" SHIP ELECTRICALLY WELDED THROUGHOUT EXCEPT SHELL FRAMES.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. ELECTRICALLY WELDED, CRUISER STERN, 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., 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 (Circ. 1611) Over-all Length 441.5 (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 D.B. TANK & COFFERDAM

Particulars of composition (if fitted) and of approval

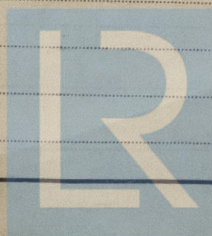
PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, N°5 & 6	135-0	376	Fore peak tank,		138
Double bottom, under Engines and Boilers, COFFERDAM	2-5	-	After peak tank,		152
Double bottom, if under Engines only, N°4	27-5	134	Deep tank, aft, N°3	20'	762
Double bottom, if under Boilers only, DRY TANK	20-0	-	Deep tank, forward, N°1 & 2	61'	652
Double bottom, forward, N°1, 2, 3	183-25	744	Other tanks, if fitted,		✓
Total length (if continuous) and Capacity	368-25	1254	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building



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