

REPORT OF SURVEY FOR REPAIRS, &c.

Date of writing Report. 22nd June 1944 When handed in at Local Office. 23 JUN 1944 Port of LIVERPOOL
 No. in Survey held at Liverpool Date, First Survey. 25th May Last Survey 22nd June 1944
 Reg. Book. 23289 on the Wood Steel "EMPIRE BITTERN"

By whom Harland & Wolff Ltd When 1902 MONTH 11
 Owners Ministry of War Transport Owners' Address (If not already recorded in Appendix to Register Book)
 Managers Royal Mail Lines, Ltd. Port belonging to London

Surveyed Afloat or in Dry Dock? Both Name of Dock Brocklebank Destined Voyage (blank)
 CeilD Bor DBa (blank) feet; uE & B (blank) feet; f (blank) feet
 total capacity (blank) tons. FPT (blank) tons; APT (blank) tons; MT (blank) feet tons.

Only alterations in the existing records of tanks should be inserted.

N.B.—All alterations in the existing records should be underlined.

Last Report, No. 111837 Port Lon

(Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules and items remaining to complete the Surveys should be summarised. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be summarised in the form shown below. Whenever the replacement of Anchors or Chains is reported the particulars should be clearly stated in the space provided on the back of this form. State also the dates and initials of any letters respecting this case.

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose and to whom and why they were declined.

Society's Freeboard (if assigned) as painted on Ship and now verified } ft. ins.

Was a damage report made by anyone else? if so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR CONDITION. REPAIRS (LICENCE D 2752A) + S.R. LIST
Vessel placed in drydock, shell plating & masts cleaned, examined & recoated.
Examined decks, casings, vents, hatchways & closing appliances, steering gear
& windlass and same found in good order.
Anchors and cables ranged and examined (11 lengths Pat & 11 Stars)
Chain locker examined internally & same found in satisfactory condition.

REPAIRS (LICENCE D 2752A)

A number of buttlaps P&S in 2 outer strakes immediately above bilge
found somewhat wasted at edges & few rivets in laps scrubbed.
Edges of buttlaps chipped & recaulked and in some cases built up electrically
& rivets in way caulked. Licence checked & work verified on board vessel.

SUMMARY OF DAMAGE REPAIRS:—	Shell Plates.	Frames.	R. Frames.	Floors and Bracket Floors	Beams.	Inner Bottom Plates.	Dk. Plates.	Other Items:—
Renewed ...								
Removed and Fair'd or Repaired								
Fair'd or Repaired in place ...								

PRESENT CONDITION OF THE	Bulkheads	Engine Room Skylights	Copper, or Y.M.
Decks <u>Efficient</u>	<u>Part exam. Satisfy</u>	<u>Good</u>	<u>(State if on Est.)</u>
Caulking of Decks <u>- do -</u>	<u>(in chain lks) Good</u>	<u>- do -</u>	When fitted, Month Year
Coamings <u>- do -</u>	<u>Cement or Asphalt</u>	<u>✓</u>	Boats <u>Good</u>
Beams & Fastenings <u>Part exam. Satisfy</u>	<u>Rudder</u>	<u>✓</u>	Masts, &c. <u>Efficient</u>
Outside Plating <u>Good</u>	<u>Steering gear and its connections</u>	<u>Good</u>	Condition, how ascertained <u>from dk</u>
" " in way of sidelights <u>✓</u>	<u>Windlass</u>	<u>- do -</u>	Equipment letter <u>gt</u>
Frames <u>✓</u>	<u>Have pumps been examined and found efficient?</u>	<u>✓</u>	Anchors, No. of <u>3-1-1</u>
Reverse Frames <u>✓</u>	<u>Have Sluice Valves been examined and found efficient?</u>	<u>✓</u>	Cables (State if now ranged) <u>Yes</u>
Longitudinals <u>✓</u>	<u>Have Watertight Doors been examined and found efficient?</u>	<u>✓</u>	" length <u>330</u> mean diam. <u>2 1/16</u>
Transverses <u>✓</u>	<u>Have Ventilators and their Coamings been examined and found efficient?</u>	<u>✓</u>	" Rule length <u>330</u> size <u>2 1/16</u>
Floors <u>✓</u>	<u>Air and Sounding Pipes</u>	<u>above dk Good</u>	Chain Locker <u>Satisfactory</u>
Keelsons <u>✓</u>	<u>Doubling Plates under Sounding Pipes</u>	<u>✓</u>	Hawsers & Warps <u>Sufficient</u>
Stringers <u>✓</u>			Standing and Running Rigging <u>Efficient</u>
Inner Bottom Plating <u>no</u>			Sails <u>✓</u>
Have the Tanks been examined internally? <u>no</u>			
Have the Tanks been tested? <u>no</u>			

General Observations, Opinion as to Class, Recommendation, &c. :—

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example:— "to remain as classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1,38," or "to remain as classed and to have record of survey, 1,38, and the notations of ss No. 1-38."

This vessel so far as now seen is in an efficient condition and in my opinion is eligible to
remain as classed with fresh record of survey but subject to items as previously noted
(deleting boss of Quadrant etc FW 10.41)

Survey Fee (per Sect. on 29)	£	:	:	Fees applied for,
Special Damage or Repair Fee (if any)	£	:	:	19.
Travelling Expenses (if chargeable)	£	:	:	Received by me,
Second Surveyor's Fee (if any)	£	:	:	19.

LICENCE 0482
 Committee's Minute

Character Assigned 6.44 LIV, Subject
B.S. 3.44. T.S. 6.44.

Thos. J. Roberts
 Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
 Foundation

Indented stem plt (SS) + Shearstrake pltg etc (PSA) - Starts lower pipe
specially examined at this time + continues ^{to be} efficient.
Boss of quadrant + webs connecting arms to boss (EW 10.41) have
been specially examined + found in a satisfactory
condition - it is recommended that this item be now
deleted from the T.R. list.

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

ANCHORS.

Number of Certificate.	Anchors.*	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST PER CERTIFICATE.			WEIGHT REQUIRED BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons	Cwts.	qrs.	lbs.	Cwts.	qrs.			
	1st Bower															
	2nd "															
	3rd "															
	Collective Weight															
	Stream.....															
	Kedge															

If Patent state name of Patentee.

Stockless, state Mechanical Test.

* When a bower anchor is supplied it must be clearly stated whether it is a 1st, 2nd, or 3rd bower.

CHAIN CABLES.

[illegible]

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.