

17 MAY 1950

No. 130840

## REPORT OF SURVEY FOR REPAIRS, &amp;c.

Date of writing Report... 19... When handed in at Local Office... 2 MAY 1950... Port of... LIVERPOOL

No. in Reg. Book... Survey held at... Birkenhead... Date, First Survey... 15/2/50... Last Survey... 28/4/1950

on the ~~WATERLOO~~ Steel... DOTTEREL

TONNAGE... Built at... Dundee... By whom... Caledon S.B. & E. Co. Ltd. When... 1934... MONTHS... 2

GROSS... 1494... 1522... Owners... British & Continental S.S. Co. Ltd. Owners' Address... (If not already recorded in Appendix to Register Book)

UNDER DK... 1178... Managers... Port belonging to... Liverpool.

NET... 583... 583

Surveyed Afloat or in Dry Dock? BOTH Name of Dock... CAMMELL LAIRDS Destined Voyage...

Cell DBor DBa... feet; uE & B... feet; f... fee

total capacity... tons. FPT... tons; APT... tons; MT... 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. 13581 Port... DUBLIN

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements)

\*100A1 with Fbd. \*LMC 2,46.

3,49. BS 3,49.

SS.DUN.No.3-2,46 TS OG(N)10,47.

Carrying fuel oil etc. about 150°F

in deep tanks 1 in 20.3 double bottom tank

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.

not required

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

REPAIRS, OR EXAMINATION AS PER RULE, FOR SPECIAL SURVEY, DAMAGE & O.F. CONVERSION.

Vessel placed in dry dock, hull plating & sudder cleaned, examined and coated.

Examined - Holds, decks, tween decks, engine & boiler spaces, under engines & boilers, bunker spaces, chain locker, anchors & cables, fore peak tank internally, fore peak spaces, after peak tank internally, after peak spaces, all double bottom tanks internally, deep tanks internally, plating under side scuttles, casings, hatchways, covers, supports, tarpaulins, cleats and battening arrangements, air and sounding pipes, masts, rigging, windlass, steering gear, ventilators, pumps, W.I. Doors, general equipment, and boats. Freeboard verified P.T.O.

SUMMARY OF DAMAGE REPAIRS :-	Shell Plates.	Frames.	R. Frames.	Floors and Bracket Floors	Beams.	Inner Bottom Plates.	Dk. Plates.	Other Items :-
Renewed ...	7, 5 part	10 (bottom)	✓	11, 5 part	✓	✓	✓	Stem, knees, deep tank bhd. wing plates etc (see rpt)
Removed and Fair'd or Repaired	2	2	✓	✓	✓	✓	1 part	
Fair'd or Repaired in place	abt 16	6	✓	5	16	✓		

PRESENT CONDITION OF THE	Decks	Bulkheads	Engine Room Skylights	Copper, or Y.M.
Decks	Good	good	good	(State if on Felt)
Caulking of Decks	"	"	Coal Bunkers, Openings, Covers (removed)	When fitted, Month Year
Coamings	"	"	Oil Bunkers	
Beams & Fastenings	"	"	Scuppers	Boats
Outside Plating	"	"	Cargo Hatchways	good
" " In way of sidelights	"	"	Hatches	Masts, Yards, &c.
Frames	"	"	Planking	Condition, how ascertained by exam
Reverse Frames	"	"	Caulking	(State if wedges removed)
Longitudinals	none	"	Treenails	Equipment letter
Transverses	"	"	Breasthooks & Stemon	Anchors, No. of
Floors	"	"	Transoms, Pointers & Crutches	Cables (State if now ranged)
Keelsons	"	"	Timbers of Frame at openings	" length 240 fms mean diamr. 1 3/4"
Stringers	"	"	" at other places	" Rule length 240 fms. size 1 3/16"
Inner Bottom Plating	"	"	Stringers, Clamps & Shelves	Chain Locker
Have the Tanks been examined internally?	Yes	"	Salting	Hawsers & Warps
Have the Tanks been tested?	Yes	"	State if examined.	Standing and Running Rigging
		"		Sails

## General Observations, Opinion as to Glass, Recommendation, &amp;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."

The vessel as now seen is in good condition and eligible in our opinion to remain as classed with fresh record of survey 4/50 and notation of S.S. BKN. 4/50 - without condition endorsement "B" set up fore deck stringer

Survey Fee (per Section 29)	55	£ 47: 0: 0	Fees applied for, 10 MAY 1950
DAMAGE		42: 0: 0	
Special Damage Repair Fee (if any)		15: 15: 0	
(per Sec. 29) CONVERSION		42: 0: 0	
Travelling Expenses (if chargeable)		3: 0: 0	
Second Surveyor's Fee (if any)			

Committee's Minute... LIVERPOOL 116 MAY 1950

Character Assigned... 4.50 BKN. Without Special Conditions

But deferred for Completion (With endorsement).

Machinery Survey. T.S. 3.50 Filter for Oil Fuel 4.50 F.P. above 150°F.



bulging & lining removed as required and replaced, with part renewal.

All double bottom tanks, deep tanks and peak tanks satisfactorily tested.

#### REPAIRS WEAR & TEAR

Several shell butts reinforced with welding and a number of scattered rivets renewed.

A number of items fitted during hostilities now removed and ship's structure in way of removals made good.

Bulkhead plating at aft end of saddleback part renewed.

A number of rust bound rivets in tank side brackets in stokehold renewed.

Striking plates under sounding pipes made good, defective air & sounding pipes part renewed.

Deck plating part renewed on starboard side of superstructure deck in accommodation.

Hand pumps made good, all defective wood hatches renewed.

Guard rails & stanchions fairied as required, also gangway doors.

Port lights & deadlights made good also closing appliances of air pipes & ventilators.

A number of minor repairs effected.

One 15 fathom length cable supplied to make up Rule Allowance. See particulars below.

When Anchors or Cables are supplied, the particulars are to be reported in the following form :-

#### 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.	lbs.		
	1st Bower															
	2nd "															
	3rd "															
	Collective Weight															
	Stream.....															
	Kedge.....															

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

#### CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per rule.		Description.	Makers of Cables.	Where and when tested and Superintendent.
	Length.	Diam.	Strain.	Breaking.	Supplied.	Per Rule.	Length.	Diam.			
LPH CH 81040	Fathoms. 15	Ins. 1 1/8	Tons. 59.12	Tons. 82.75	Cwts. qrs. lbs. 26 1 0	Cwts. qrs. lbs. 26 1 0	Fathoms. 15	Ins. 1 1/8	Steel Link		Bradley Heath 6.3.50 N. Phillips
Iron Stream Chain or Steel Wire											

#### DAMAGES.

DAMAGE 1 Stated cause - contact with unknown object in December, 1941

#### REPAIRS. PERMANENT

Forward - No 2 keel plate renewed, No 3 keel plate fairied in place, keel chafing strip in way removed, fairied and refitted.

Shell plate A4 (p.s) fairied in place, A3 & 4 (p.s) fairied in place.

Aft - No 9 keel plate fairied in place, No 11 keel plate cropped & part renewed, No 12 keel plate renewed.

SEE P. 3.

#### DOTTEREL

#### DAMAGE 1 (CONT'D)

Keel chafing bar part removed, fairied & refitted.

A strake adjacent to above fairied in place (p.s).

A13 (p) and A12 (p) cropped & part renewed.

B10 (p) fairied in place.

In No 1 Tank - One floor (s) fairied in place, four cropped and part renewed, four bottom frames renewed, centre girder bottom angles fairied in place.

In No. 6 Tank - br. girder bottom angles fairied in place, one floor & bottom frame (s) fairied in place.

In No. 7 Tank - br. girder part renewed, five floors (p), six bottom frames (p) renewed, one floor (p) part renewed, one floor (p) and 2 floors (s) fairied in place with bottom frames.

Minor incidental repairs effected.

DAMAGE 2 Stated cause - contact with quay wall on 23.2.42

#### REPAIRS. PERMANENT

Stem bar cropped & part renewed & part fairied in place.

Main sheer No 1 (p.s) cropped & part renewed.

1st below No 1 " renewed.

2nd " No 1 " renewed.

3rd " No 1 (p) removed, fairied & refitted No 1 (s) renewed.

4th " No 1 (p) removed, fairied & refitted, No 1 (s) fairied in place.

Fore peak tank top bow plate part removed, fairied and refitted, with angles in way.

One peak frame (p.s) removed, fairied & refitted.

" " " " fairied in place.

Minor incidental repairs effected.

DAMAGE 3 Stated cause - contacts at various unspecified dates.

#### REPAIRS. PERMANENT

A number of minor shell indents (p.s) fairied in place, main deck stringer abreast No 2 Hatch cropped and part renewed.

At weather deck four beam knees (p) renewed, seven (s) removed, fairied & refitted, six (s) removed, fairied & refitted, three (p) and 2 (s) fairied in place, eleven beam ends (p) and five (s) fairied in place, several frame webs cropped & part renewed and several fairied in place.

Along plating of deep tank bulkheads (except after bld of after deep tank (p) part renewed and part fairied in place together with shell connections.

Minor repairs effected.



DOTTERELCONVERSION FROM COAL TO OIL BURNING.

The vessel has at this time been converted from coal to oil burning and new settling tanks have been fitted abaft the existing forward deep tanks in accordance with approved plan. — not with care  
 Redundant portions of screw bulkheads, saddleback etc removed and suitable compensation fitted in way of removals.  
 Ash shoot removed and opening plated over.

SPECIAL REASONS LIST

Indented shell plating etc (p.s.), indented plating etc in way of Nos 1, 6 and 7 tanks and fractured stem and stem plating now dealt with as mentioned under "DAMAGE" and may be deleted from Special Reasons list.

Forecastle deck stringer plate etc not dealt with, considered efficient and may be dealt with at Owner's convenience (Endorsement "B")

Loadline renewal survey held.

*J. B. M.*