

25 JAN 1928

No. 93189.

REPORT of SURVEY for REPAIRS, &c.

Date of writing Report: 19... When handed in at Local Office: 23 JAN. 1928

Port of LIVERPOOL

No. in Reg. Book. Survey held at Birkenhead

Date, First Survey 9/12/27 Last Survey 20/1/1928

38597 on the Wood, Iron or Steel T.S.S. 'HARWICKSHIRE'

TONNAGE:-

GROSS 8012.

UNDER DE 6564.

NET 5061.

Built at Belfast.

By whom Harland & Wolff, Ltd.

YEAR. MONTH.

When 1902. 3.

Owners Betty S. S. Co. Ltd.

Owners' Address

(if not already recorded in Appendix to Register Book).

Managers Betty S. S. Co. Ltd.

Port belonging to Liverpool

Surveyed Afloat or in Dry Dock? Both. Name of Dock Birkenhead Dock

Destined Voyage

WB=CellDBorDBa feet; uE&B feet; f feet
total capacity tons. FPT tons; APT tons; MT tons.N.B.—All alterations in the existing records should be underlined.
If the Vessel has Water Ballast Tanks, state whether the manhole covers have been removed, and the insides of the tanks examined. Also state the amount of deterioration (if any) found in the thicknesses of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Last Report, No. 92478 Port Liv

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

CHARACTER. * for Special Survey, Date of last Survey and of Periodical Surveys.	Years Assigned for expired.	Machinery and Boiler Surveys (including date of N.B., if any).
8100A. 7.26.		8100A. 7.26.
S.S. BR. N.3.9.14.		BS 8.27.
S.S. LIV. N.2.23.		CLPS.27.
		PN 5.27.
		Notes for dis. 2.20 F.P. above 150° F.

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 7 ft. 7 1/2 ins.

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

REPAIRS, OR EXAMINATION AS PER RULE, FOR

vessel (See two plans attached)

Arrangement of survey 2nd N.3. and 9.26.

Vessel examined in Dry Dock Bottom + Rudder

cleaned examined and coated.

The passenger accommodation has been removed

and the vessel is now fitted as a cargo carrier only, all alterations and has been efficiently carried out.

Arrangement of 2nd S.S. N.3. See Lis. Rpt. No. 92478. + 91921.

Vessel examined in Dry Dock, Shell plating welded, examined lower holds (except N.3.1+6 above tank top) fore peak, Wing Bulkhead, & TB Space, Ceiling lights as required

SUMMARY OF DAMAGE REPAIRS:-

	Shell Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	De. Plates.	Other Items:-
Renewed ...								
Removed and Faired or Repaired ...								
Faired or Repaired in place ...								

PRESENT CONDITION OF THE

Decks	Good.	State if Tanks have been examined inside	for	Dblg. Plates under Sounding Pipes	Good.	Copper, or Y.M. of Wood Vessels.	✓
Caulking of Decks	"	State if Tanks now tested	for	Engine Room Skylights	"	(State if on Feet).	
Coamings	"	Bulkheads	Good.	Coal Bunkers, Open'gs, Lids, &c.	"	When put on, Month	Year
Beams & Fastenings	"	Ceiling	"	Scuppers	"	Boats	Good.
Outside Plating	"	Cement or Asphalt	"	Cargo Hatchways	"	Masts, Yards, &c.	"
Breasthooks	"	(State which.)	"	Hatches	"	Condition, how ascertained	by exam
Transoms	"	Rudder	"	Planking of Wood Vessels	"	(State if wedges removed)	No.
Frames	"	Steering gear and its connections	"	Caulking	ditto	Sails	✓
Reverse Frames	"	Windlass	"	Treenails	ditto	Equipment letter	C+
Longitudinals	✓	Have Pumps now been examined and found efficient?	✓	Breasthooks & Stemson	ditto	Anchors, No. of	5
Transverses	✓	Have Sluice Valves now been examined and found efficient?	✓	Transoms, Pointers, & Crutches ditto	"	Cables (State if now ranged)	for
Floors	"	Have Watertight Doors now been examined and found efficient?	✓	Timbers of Frame at openings ditto	"	length	300 size 2 3/8
Keelsons	"	Have Ventilators and their Coamings been examined	✓	Ditto ditto at other places ditto	"	(on board)	200 size 2 1/4
Stringers	"	and found efficient?	✓	Stringers, Clamps & Shelves	ditto	Rule length	2 1/4
Inner Bottom Plating	"			Salting	ditto	Hawser & Warps	Good
				(State if examined.)		Standing and Running Rigging	"

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 now classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey 1,24," or "to remain as classed and to have record of survey, 1,24, and the notations of ss No. 1-24 and ptn24, &c."

This vessel as seen is eligible to remain as classed with fresh record of survey BR 1-28 and notation of S.S. BR 2nd N.3.1-28 when the survey has been completed.

Survey Fee (per Section 29) £ 30 : 0 : 0

Special Damage or Repair Fee (if any) £

Travelling Expenses (if chargeable) £

Second Surveyor's Fee (if any) £

Fees applied for,

23 JAN 1928

Received by me,

21.3.28

Surveyor to Lloyd's Register of Shipping.

Committee's Minute LIVERPOOL 24 JAN. 1928

Character Assigned

Refused for Comp. S.S. No 3. + L.M.C 7.26.

FEB 8 1928

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Lloyd's Register Foundation

W584-0141 1/2

Has a Survey also been held on the Machinery of the Ship?
If so, is the Report sent here, or what will it be sent?10m. 1.27—Transfer Ink
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Is Certificate required? If so, to be sent to

S. S. S. Warwickshire

By the rules, all DB tanks except Nos 3 & 4 examined internally. Repairs to after cofferdam internal plates carried out, all DB and Fore Peak tanks tested, Plating in way of Sidelights, Latches, coamings, and battening down arrangements examined, Steering Gear, Windlass, General Equipment, Air sounding pipes & W. I. Doors examined. Trunkways repaired, After Peak exam. internally, Repairs to F.W. Tank Lids in N° 6 Stold carried out.

Shell Drillings in 20th of an inch.

Stakes	Aft.					Amidships					Forward.				
	ORIG. THICKNESS	PORT DRILLS	STAR DRILLS	PORT DRILLING	STAR DRILLING	ORIG. THICKNESS	PORT DRILLS	STAR DRILLS	PORT DRILLING	STAR DRILLING	ORIG. THICKNESS	PORT DRILLS	STAR DRILLS	PORT DRILLING	STAR DRILLING
D	14	✓	✓	✓	✓	14	✓	✓	✓	✓	13	✓	✓	✓	✓
E	14	✓	✓	✓	✓	14	✓	✓	✓	✓	12	12	11	✓	1
F	15	15	14	✓	1	15	✓	✓	✓	✓	12	11	12	1	✓
G	15	14	14	1	1	16	16	16	✓	✓	11	11	12	✓	✓
H	15	15	14½	✓	½	15	15	14	✓	1	11	11	11	✓	✓
J	14	12	14	2	0	15	13½	14	1½	1	11	8½	10	2½	1
K	12	11½	11	½	1	14	13	13	1	1	11	10	10	1	1
L	12	10	11	2	1	15	13	14	2	1	11	12	10½	✓	½
M	12	11	11½	1	½	14	13½	12½	½	1½	11	9	10	2	1
N	12	12	12	✓	✓	15	14½	14½	½	½	11	11	11	✓	✓
O	12	12½	12	✓	✓	14	14	16	✓	1	12	12	11½	✓	½
DOUBLING	✓	✓	✓	✓	✓	17	17	16	✓	1	✓	✓	✓	✓	✓
P	12	10	9½	2	2½	20	20	20	✓	✓	12	14	13	✓	✓
POOR BRIDGE & FOLE	✓	6½	✓	½	✓	10/9	10/9	10/9	✓	✓	✓	✓	✓	✓	✓

Repairs: N° 1 Stold; 2 Small doubling plates fitted to tank top, Air Sounding pipes made good, 1 frame part renewed.

N° 2 Stold; 5 Stold pillars removed & replaced, Air Sounding pipes made good.

N° 3 " ; 2 Bulkhead plates part doubled, 1 Tank Side bracket rivetted, Air & Sounding pipes made good.

Stokeholds; 2 Tank Side brackets doubled, 8 Reverse frames in way of Tank Side brackets renewed, 6 web frame angles renewed, 1 Pocket-bulb plate renewed and 1 part doubled, 1 Bulkhead plate doubled in way of pipes.

Engine Room; 2 Tank Side brackets doubled, 1 Rev. frame in way of a tank side bracket renewed.

E.R. Cofferdam; 6 floors part doubled, 3. Amovable part renewed.

N° 6 Stold; 4 plates in way of F.W. Tank deck renewed.

N° 5 Stold; 1 Bulk plate + 1 Bulk angle renewed, 4 Sea lugs for pillars on tank top rivetted.

N° 6 " Stold; 1 " " part doubled.

N° 5 to DB tanks, 3 floors part renewed, 2 floors part doubled, 44 Angle Stiffs fitted to floors.

Inner. 2 local doublings fitted to Bridge. DB plating, Storm cover fitted to openings in Sidelings Lids, All Cargo Doors, Gangway Doors & Coal Pits overhauled. 2 doublings fitted to shell in Lids in way of 2 Sidelights, 1 Chain pipe repaired.

To Complete the S.S. the after peak tank requires to be tested. The vessel has left this port for Swansea where the Owners intend completing the Survey. Swansea Surveyors have been advised.