

REPORT of SURVEY for REPAIRS, &c.

Date of writing Report 28th March 1916 When handed in at Local Office 28th March 1916 Port of New York
 No. in Reg. Book. 200 Survey held at Brooklyn Date, First Survey 15th March Last Survey 19th March 1916
 S.S. Hanovian Master Jones

on the Wood, Iron or Steel Built at Sunderland By whom Garthman & Sons Ltd When 1914 YEAR. MONTH.
 Owners Cambrian Steam Navigation Co Ltd (J Mathias & Sons Agents) Port belonging to London
 Owners' Address
 (If not already recorded in Appendix to Register Book.)

Surveyed Afloat or in Dry Dock? Yn Name of Dock Con Basin Dry Dock Destined Voyage London
 WB=Cell DBorDBa feet; uE&B feet; f feet; }
 total capacity tons. FPT tons; APT tons; MT feet 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, orders, and of the inner bottom plating, especially in the boiler space.

Last Report, No. 11868 Port N York

Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. 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.

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 Surveyed Interval.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100% Shell & with freeboard</u> <u>10.15</u>		<u>100% LMC 4.14</u> <u>T.S. 10.14</u>

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

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 why they were declined?
 Was a damage report made by anyone else? If so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR Damage stated sustained through encountering heavy weather from the 29th February to 11th March 1916 while on a voyage from Stance to New York. For further particulars see Special Damage Report dated New York.
Repairs now done.

About 2500 rivets renewed in keel and 45 Stakes in both sides in way of No 1 ballast tank and the started landing edges and butts of plating recaulked; About thirty rivets renewed in way of fore peak and No 3 hold; About 450 rivets renewed in centre keelson top angle and floor frames and angles inside No 1 ballast tank; Nine angles connecting tank margin brackets to tank margin plate riveted in No 1 hold; Twenty-two tank top gusset angles riveted in No 1 hold; About 250 rivets renewed in tank top plating in No 1 hold; Three angle legs for stanchion and ladder feet riveted in No 1 hold; About sixty rivets renewed in fore peak bulkhead; Eight tank top gusset angles riveted in No 2 hold; Four rivets in middle renewed.

SUMMARY OF DAMAGE REPAIRS:—	Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	Dk. Plates.	Other Items:—
Renewed								See report
Removed and Fair or Repaired								
Fair or Repaired in place								
PRESENT CONDITION OF THE								
Decks	Good	Stringers	Good	Inner Bottom Plating	Good	Dbing. Plates under Sounding Pipes	Good	Copper, or Y.M. of Wood Vessels (State if on Felt.) When put on, Month Year
Caulking of Decks		State if Tanks have been examined inside	Good	State if Tanks now tested	Good	Coal Bunkers, Openings, Lids, &c.	Good	Boats
Waterways		Bulkheads	Good	Ceiling		Scuppers		Masts, Yards, &c.
Coamings		Cement or Asphalt (State which.)		Rudder		Cargo Hatchways		Condition, how ascertained (State if wedges removed.)
Beams & Fastenings		Steering gear and its connections		Windlass		Hatches		Sails
Outside Plating		Have Pumps now been examined and found efficient?	Good	Have Sluice Valves now been examined and found efficient?	Good	Planking of Wood Vessels		Equipment letter
Caulking of ditto		Have Watertight Doors now been examined and found efficient?	Good			Caulking		Anchors, No. of
Rivets						Treenails		Cables (State if now ranged)
Breasthooks & Crutches						Breasthooks & Stemson		" length (on board)
Transoms	Good					Transoms, Pointers, & Crutches ditto		" Rule length
Frames						Timbers of Frame at openings ditto		Hawser & Warps
Reverse Frames	Good					Ditto ditto at other places ditto		Standing & Running Rigging
Floors						Stingens, Clamps & Shells ditto		
Keelsons						Soleing (State if examined.)		

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, 1,15," or "to remain as classed and to have record of survey, 1,15, and the notations of ss No. 1-15 and ptND15, &c."

This vessel is now in efficient condition, eligible in my opinion to remain as classed and to have fresh record of survey 3.16.

Survey Fee (per Section 25)	£	Fees applied for,	30.3.1916
Special Damage or Repair Fee (if any) (per Sec. 25)	£ 80.00	Received by me,	19
Travelling Expenses (if chargeable)	£ 10.00		
Second Surveyor's Fee (if any)	£		

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE APR. 18. 1916

Character Assigned



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Foundation

W864-00281

New York

S. S. "Harrobian"

Four rivets in No 4 tank top renewed. Broken and disturbed cement in No 1 ballast tank renewed; Biting in No 1 & 2 holds lifted and tanks in way of same tested.

Also done: Vessel placed in dry dock, bottom cleaned, examined and repainted,

A. Allen/



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W864-0028 1/2