

of writing Report 23/12/20 1920 When handed in at Local Office 22 DEC 1920 1920 Port of NEWCASTLE-ON-TYNE

No. in Survey held at Newcastle on Tyne Date, First Survey 15<sup>th</sup> Oct Last Survey 20<sup>th</sup> Dec 1920  
Book. 127 on the ~~Wood, Iron or Steel~~ Sc. "LORD BROUGHTON" (No. of Visits 31) Master W. G. Thompson - 20<sup>th</sup>  
127 ~~on the~~ Sc. "LORD BROUGHTON" Master W. G. Thompson - 20<sup>th</sup>  
TONNAGE:- Built at Rostock By whom Akt. Ges. Neptun When 1902 YEAR MONTH  
GROSS 1907 Owners Byron Steamship Co Ltd Port belonging to London  
UNDER DECK 1713 Owners' Address  
NET 1209 (if not already recorded in Appendix to Register Book).

Surveyed Afloat or in Dry Dock? Both Name of Dock Mercantile Destined Voyage Liverpool

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, and of the inner bottom plating, especially in the boiler space.

CHARACTER. * For Special Survey. Date of last Survey and of Periodical Surveys.	Years Used and How expired.	Machinery and Boiler Surveys (including date of N.B., if any).
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Last Report, No. 100 A 1 Port 100 A 1

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature 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.

Contemplated

Society's Freeboard (if assigned) as painted on Ship and non verified { 2 ft 34 in

On 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? Yes. Not required Was a damage report made by anyone else? If so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR Special Survey No 3 with a view to  
classification and Damage (Cause not known.)

S.S. No 3:— Vessel placed in drydock, bottom & rudder cleaned examined and recoated. All holds, tween decks, fore & aft peaks, machinery space, upper & lower bunkers, cleared, cleaned & all ceiling lifted, oxidation removed from steel work & same examined. All double bottoms & peak tanks tested as per rule and examined internally. All decks, casings, hatchways, ventilator coamings, hatches, windlass, steering gear, air & sounding pipes, water-tight doors, masts & rigging (wedges removed) anchors & general equipment examined. Cables ranged, chain locker examined pumps tried, freeboard

SUMMARY OF DAMAGE REPAIRS:—	Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	Dk. Plates.	Other Items:—
Renewed ... ..	1							7 interlocks replaced
Removed and Faired or Repaired ... ..	9	5.		6				1 L. Bulb kept
Faired or Repaired in place ... ..	17	11.		14		1		2 Counter pt., 1 Bulb pt.

PRESENT CONDITION OF THE		Copper, or Y.M. of Wood Vessels.	
Decks	good	Stringers	good
Caulking of Decks	do	Inner Bottom Plating	do
Waterways	do	State if Tanks have been examined inside	yes
Coamings	do	State if Tanks now tested	do
Beams & Fastenings	do	Bulkheads	good
Outside Plating	do	Ceiling	do
Bulking of ditto	do	Cement or Asphalt	do
Rivets	do	(State which.)	do
Breasthooks & Crutches	do	Rudder	do
Transoms	do	Steering gear and its connections	do
Frames	do	Windlass	do
Reverse Frames	do	Have Pumps now been examined and found efficient?	yes
Floors	do	Have Sluice Valves now been examined and found efficient?	yes
Keelsons	do	Have Watertight Doors now been examined and found efficient?	yes
		Dblg. Plates under Sounding Pipes	good
		Engine Room Skylights	do
		Coal Bunkers, Open'gs, &c.	do
		Scuppers	do
		Cargo Hatchways	do
		Hatches	do
		Planking of Wood Vessels	do
		Caulking ditto	do
		Treenails ditto	do
		Breasthooks & Stemson ditto	do
		Transoms, Pointers, & Crutches ditto	do
		Timbers of Frame at openings ditto	do
		Ditto ditto at other places ditto	do
		Stringers, Clamps & Shelves ditto	do
		Salting ditto	do
		(State if examined.)	do
		When put on, Month	Year
		Boats	good
		Masts, Tacks, &c.	do
		Condition, how ascertained	examined
		(State if wedges removed)	yes
		Sails	yes
		Equipment letter	B
		Anchors, No. of	3B, 1S, 1K
		Cables (State if now ranged)	yes
		length	240
		(on board)	size
		Rule length	size
		Hawser & Warps	good
		Standing & Running Rigging	do

*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 in our opinion now in a good and efficient condition and eligible to be classed 100 A1. with record of Survey No 12-70 and notation of S.S. No 3. 12-70.

Survey Fee (per Section 26) .....	£	<div style="display: flex; align-items: center;"> <div style="font-size: 2em; margin-right: 10px;">}</div> <div> <div style="font-size: 2em; margin-bottom: 10px;">43</div> <div style="font-size: 2em;">10</div> </div> </div>	Fees applied for, per 15 Nov. 24/25 pro.	<div style="text-align: right;">   S. D. Cusker  Surveyor to Lloyd's Register of Shipping. </div>
Special Damage or Repair Fee (if any) (per Sec. 26) .....	£		Received by me, 28.1.1925	
Travelling Expenses (if chargeable) .....	£			
and Surveyor's Fee (if any) .....	£			

Committee's Minute

Character Assigned *76* NULL CERTIFICATE  
WRITER. *28/1/21*  
*1001*  
*J.F.R. 3.12.20*  
*L.R. 6.12.20*

Caution - removed & taken to be sent to

16132-0046(1/13)



S/S. "LORD. BROUGHTON"

assigned and verified and new certificates issued. Plating under all side lights examined. Shell plating drilled

Survey Repairs:-

Decks - On after well deck 3 plates doubled on fore deck 3 plates doubled and Stringer plate, 3 decks faired where set down.

Tanks In No 1 Tank an additional 11 space intercostal girders fitted Port & Star at fore end of tank with double connecting bars to shell & brackets into forepeak.

In No 2 Tank 6 floors & 4 intercostals half doubled

Bunkers In lower bunkers 3 side plate, 1 short plate, & 3 stays renewed. 1 bottom plate doubled, 2 corner bars removed faired and refitted. 3 stays faired in place. Back bars fitted to Bunker hatch beams.

Bridge front additional stiffened to meet freeboard requirements with face bars on existing stiffeners and hatch webs increased in number by moving 2 existing webs in each hatch out & fitting additional new web in centre of upper & Bridge deck hatches (See Secretaries letter 26/11/20.)

Cause pipe deck flanges fitted with Smithed doublings. Hand pump fitted to fore peak, Downton pump fitted, A number of new ventelators fitted & other repaired made good.

Tunnel plates in No 3 hold faired in place. A number of hold fillers removed faired & replaced & some filler cut lugs refastened on tank top. A quantity of ceiling, girth battens & a number of hatch covers renewed. Hatch trimmings, fore rafters, beams, shoes &c repaired or part renewed as found necessary. Rudder lifted and 1 puntle renewed & others rebushed. Rigging, & spars overhauled & faired as found necessary. For thickness of plating ascertained by drilling at ship see last page. A number of minor defects made good. 75 fthms 4 1/4" steel wire supplied.

Damage Repairs:- On Star side No 2 plate in Forecastle sheer renewed.

Star side Forecastle sheer plate No 3, 2 plates in main sheer way of No 1 Hatch & No 5 in B. Strike. and on Port side No 5, 11, & 12 in A strike, No 11 in B strike & liner, & No 6 in strike & liner all removed faired & replaced.

Star side B 2; C 2, 5; D. 6; F 2; H 12; & J 12.  
On Port side A. 6. 7. 10; D 7; H. 2. 3. 4. 13; J. 13;  
all faired in place. Also 1 Bulwark plate on

W132-0046(2/3)



## S/S. 'LORD. BROUGHTON'

number of stays removed failed & replaced and  
2 Counter plates, Poop stringer plate, gunwhale bar &  
moulding, Forward well gunwhale bar, 2 fore & aft gunnel  
bars, moulding & a number of strakes etc all failed  
in place.

In way of No 3 tank, 1 intercostal, 2 shell lugs, 5 frames  
(part), 6 floors (part) 1 length centre keelson bar removed failed  
& replaced. 7 intercostals replaced by continuous girders

In way of No 2 Tank 4 floors & 4 frame bottoms,

In way of No 3 tank, tank end, & shell bar, 4 floors,  
& frame bottoms, 6 shell bars & 3 main frames.

In way of No 4 Tank. 6 floors all failed in place.

Vertical stiffeners fitted to 1 tank end & 1 floor.

1 length bulge keel removed failed & replaced & 1  
length & 4 straps failed in place Port side. A number  
of minor repairs carried out.

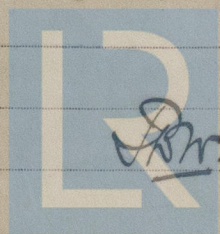
Channel stiffeners to Centre line bldgs are  $6\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2} \times \frac{3}{8}$

See Secretary's letter 6/12/20. M. The poop & forecastle side  
plating was as per table below. Air sounding pipe & striking  
plate under sounding pipes according to rule. See Sec. letter.  
9.12.20.

Thicknesses of Plating ascertained by drilling at ship  
given in Sixteenths

STRAKE		AMIDSHIPS		FORWARD		AFT	
		PORT.	STAR	PORT	STAR	PORT	STAR
Bridge Sheer	M.	8	8	6	6	6	6
1 <sup>st</sup> below	L	7	7	5	5	6	6
Main Sheer	K	9	9	10	10	9	9
1 <sup>st</sup> below	J	8	8	9	9	7	8
2 <sup>nd</sup> "	H	8 $\frac{1}{2}$	8	9	9	7	7
3 <sup>rd</sup> "	G	10	10	9	9	7	8
4 <sup>th</sup> "	F	10 $\frac{1}{2}$	10	9	9	7 $\frac{1}{2}$	7
5 <sup>th</sup> "	E	10 $\frac{1}{2}$	10	6	7 $\frac{1}{2}$	8	7 $\frac{1}{2}$
6 <sup>th</sup> "	D	8 $\frac{1}{2}$	10	6	7	-	-
7 <sup>th</sup> "	C	9	8 $\frac{1}{2}$	8	8	6 $\frac{1}{2}$	7
8 <sup>th</sup> "	B	8	9	7	8	6 $\frac{1}{2}$	7
9 <sup>th</sup> "	A	10	9	10	10	10	10

Drillings taken just aft of Fore peak bulkhead, just forward of  
Aft Peak bulkhead & in Bulkheads.



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Lloyd's Register  
Foundation

132-0046(313)