

# REPORT OF SURVEY FOR REPAIRS, &c.

Date of writing Report 26/2/53 When handed in at Local Office 25/2/53 Port of NEWCASTLE-ON-TYNE  
 No. in Reg. Book 53095 Survey held at South Shields Date, First Survey 7/2/53 Last Survey 16/2/53  
 on the Wood, Iron or Steel BELGRAVE (No. of Visits 8)

TONNAGE: — Built at Burntisland By whom Burntisland S.B. Co. Ltd. When 1938 MONTH 1  
 GROSS 1076 Owners O. Dorey & Sons, Ltd. Owners' Address \_\_\_\_\_  
 UNDER DK 740 Managers \_\_\_\_\_ Port belonging to Guernsey  
 NET 605 (It not already recorded in Appendix to Register Book).

Surveyed Afloat or in Dry Dock? Both Name of Dock Brigham & Bowman's Destined Voyage \_\_\_\_\_  
 Cell/Dor/DBa \_\_\_\_\_ feet; uE & B \_\_\_\_\_ feet; f \_\_\_\_\_ fe }  
 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. 35829 Port Sld

(Periodical Surveys, when held, must be reported in detail and seriatim 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.)

CHARACTER. * for Special Survey Date of last Survey and of Periodical Surveys.	Machinery and Boiler Surveys (Including date of N.B., if any).
+100A.1 with freeboard 6.52.	+LMC 6.50 BS 3.52 TS CL 6.52.
SS. Shl. - 6.50.	
Cargo Duties not fitted.	

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 Yes. Society's Freeboard (if assigned) as painted on Ship and now verified } ✓ ft. ✓ ins.  
 Owners' Superintendent. Not required. Was a damage report made by anyone else? if so, by whom? Underwriter's Surveyor.

REPAIRS, OR EXAMINATION AS PER RULE, FOR Damage, Docking, S.R. List.  
Damage stated to have been caused by heavy weather whilst on Voyages  
Goole - Guernsey, 1<sup>st</sup> to 3<sup>rd</sup> February 1953, and Guernsey - Tyne, 4<sup>th</sup> to 6<sup>th</sup> February 1953.  
Damage situated on rudder, Sternframe, and sundry started rivets.  
Now done - Vessel placed in dry dock. Bottom, sides and rudder cleaned, examined  
and found or placed in good order and recoated.

Repairs  
A number of defective rivets in No 1 keelplate from aft cap welded.  
Odd defective rivets in bottom shell cap welded.  
A number of started rivets in port shell plate E5 from aft renewed.

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 ...								<u>Sternframe etc. as Rpt.</u>

PRESENT CONDITION OF THE		Bulkheads		Engine Room Skylights		Copper, or Y.M.	
Decks <u>Good</u>			<u>not ex'd.</u>		<u>Good</u>		(State if on Felt.)
Caulking of Decks <u>"</u>			<u>"</u>	Coal Bunkers, Openings, Covers, &c. <u>"</u>			When fitted, Month _____ Year _____
Coamings <u>"</u>			<u>"</u>	Oil Bunkers <u>✓</u>			
Beams & Fastenings <u>not ex'd.</u>			<u>Good</u>	Seuppers <u>not ex'd.</u>			Boats <u>Good</u>
Outside Plating <u>Good</u>			<u>Good</u>	Cargo Hatchways <u>Good</u>			Masts, Yards, &c. <u>"</u>
" " in way of sidelights <u>not ex'd.</u>			<u>"</u>	Hatches <u>"</u>			Condition, how ascertained <u>from deck</u>
Frames <u>"</u>			<u>not ex'd.</u>	Planking <u>✓</u>			(State if wedges removed.)
Reverse Frames <u>"</u>			<u>not ex'd.</u>	Caulking <u>✓</u>			Equipment letter <u>m</u>
Longitudinals <u>"</u>			<u>not ex'd.</u>	Treenails <u>✓</u>			Anchors, No. of <u>3B. 15.</u>
Transverses <u>"</u>			<u>not ex'd.</u>	Breasthooks & Stemson <u>✓</u>			Cables (State if now ranged) <u>not ex'd.</u>
Floors <u>"</u>			<u>not ex'd.</u>	Transoms, Pointers & Crutches <u>✓</u>			" length <u>stated complete.</u>
Keelsons <u>"</u>			<u>not ex'd.</u>	Timbers of Frame at openings <u>✓</u>			" Rule length <u>210 fms</u> size <u>1 7/16</u>
Stringers <u>"</u>			<u>not ex'd.</u>	" " at other places <u>✓</u>			Chain Locker <u>not ex'd.</u>
Inner Bottom Plating <u>"</u>			<u>not ex'd.</u>	Stringers, Clamps & Shelves <u>✓</u>			Hawsers & Warps <u>sufficient</u>
Have the Tanks been examined internally? <u>No.</u>			<u>not ex'd.</u>	Saltng <u>✓</u>			Standing and Running Rigging <u>efficient</u>
Have the Tanks been tested? <u>Aft peak, ER, DB</u>			<u>not ex'd.</u>	State if examined _____			Sails <u>✓</u>

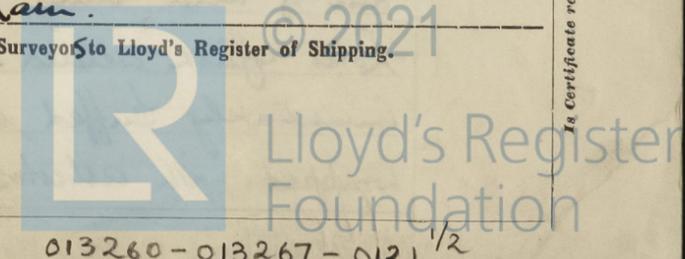
General Observations, Opinion as to Class, Recommendation, &c. :  
 State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example:—"to remain as classed in 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 eligible in my opinion to remain as  
classed with fresh record of dry docking 2,53 subject to Sternframe (EW 2,53)  
being specially examined at next docking.

Endorsements: A number of keel and bottom shell plates (p.45) and stem bar slightly buckled.

Survey Fee (per Section 23) _____	Fees applied for, _____
Special Damage or Repair Fee (if any) _____	_____
(per Sec. 23) Late Attendance <u>4</u>	_____
Travelling Expenses (if chargeable) _____	_____
Second Surveyor's Fee (if any) _____	_____

Committee's Minute TUES. 24 MAR 1953  
 Character Assigned 2.53 Shl subject  
S.2.53

Photographs x 4  
 20m, 1250.  
 Transferred (MADE AND PRINTED IN ENGLAND.)  
 (The Surveyors are requested not to write on or below the space for Committee's Minutes.)



Engine room double bottom tank:- 3 frame foot bracket angles renewed, re-pointed, re-riveted and caulked. 2 frame foot bracket angles renewed.

Engine room D.B. tank tested and proved Satisfactory. Renewed side shell rivets hose tested and proved Satisfactory.

Rudder:- A number of loose and started rivets renewed.

Eddy plate on rudder in way of bottom flange renewed.

Rudder gudgeons rebushed (Note: bushes were missing from 2 gudgeons when vessel was docked).

Stemframe:- Sole-piece was found to be fractured. It was found in examination that a 2" transverse crack existed on the starboard bottom side of the sole-piece. On removal of panels of the cheek plates for further examination this fracture was found to extend up the starboard side of the sole-piece, running through a rivet hole. It was also evident on the port side of the frame through the same hole and on veering was found extended through the frame up to approximately half the depth of the sole-piece. Three other fractures of lesser degree were found on the starboard side, and one other on the port side - these fractures extending into the stemframe for a depth of approximately 3/4". The positions of these fractures are shown on attached drawing, and shown red out in preparation for welding on attached photographs.

Cheek plates p. & s. were cropped, part removed; fractures

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

ANCHORS.

Table with columns: Number of Certificate, Anchor, Weight of Stock, Test per Certificate, Weight Required by Rule, Description of Anchor, Makers, Where and when tested and Superintendent.

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

CHAIN CABLES.

Table with columns: 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.

cut out and rivet holes in Stemframe countersunk p. & s. These rivet holes were then filled by steel rods hammered in and cut 3/8" short at each side. Tarpaulin tents were erected round the stemframe and the sole-piece was heated for approximately 12 hours by charcoal brazier. Fractures were then electrically welded, each run of weld being peened after deposit, and remaining 3/8" of rivet holes flush welded. On completion of welding, the welds were immediately buffed smooth and examined; the sole-piece was then wrapped with asbestos sheeting and canvas and left to cool P.T.O.

for 12 hours. The asbestos was then removed, when it was found that another fracture had developed on the starboard upper side of the sole-piece at the bottom of the inboard radius. This fracture was cut out, stemframe again preheated and the procedure repeated.

On examination after cooling, minor hair cracks were cut out and welded (indicated by chalk rings in photographs of finished weld).

Removed portions of cheek plates were then renewed with 3/8" thick plates with welded butts, extended as shown in drawing and connected to stemframe by fillet welds and plug welds in 3" x 1/2" slots with rounded ends.

After peak tank tested on completion of repair and proved Satisfactory.

Docking

How done - Vessel placed in dry dock. Bottom, sides and rudder (lifted) cleaned, examined and recoated.

Weather decks, casings, superstructure bulkheads, latches coamings and closing appliances, steering gear (main and auxiliary), boats, windlass and equipment generally examined and found satisfactory. Steering gear tested and proved Satisfactory.

Repairs - minor repairs effected.

S.R. List:- no repairs effected to the following Category 'B' items which were examined and remain efficient - 'A number of keel and bottom shell plates (p. & s.) and stem bar slightly buckled'.

It is submitted that the following item be added to the S.R. List - 'Stemframe (EW 2,53) being specially examined at next docking'.

S. W. Gresham.

SURVEYOR TO LLOYD'S REGISTER NEWCASTLE-ON-TYNE.

