

PORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office)

Report No. 27 October 1942, When handed in at Local Office 10 Port of DUBLIN

Survey held at DUBLIN Date First Survey 19th Mar. Last Survey 20th Oct. 1942
(No. of Visits 18)

on the Machinery of the ~~Wood, Iron or Steel~~ TWIN SC. "LADY BONNAUGHT"

Gross 2284 Vessel built at BELFAST By whom HARLAND & WOLFF LD. When 1912-3
Net 962 Engines made at do. By whom do. When 1912
840 Boilers, when made (Main) 1912 (Donkey) do.
in Boilers 208 Owners BRITISH & IRISH STEAM PACKET CO. LD. Owners' Address
158 Managers (if not already recorded in Appendix to Register Book.)
key Boilers 19512 Port LIVERPOOL Voyage
Boilers 19512 If Surveyed Afloat or in Dry Dock ALEXANDRA
key Boilers (State name of Dock.)

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 expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A1 WITH FREEBOARD.		+LMC 5.35
7.40.		B.S. 7.40
S.S. LIV. 2 nd No 3 - 5.36.		T.S. 5.38
		S. 7.40
FITTED FOR OIL FUEL 4.24.		
F.P. 150°F.		

Report No. Port

Particulars of Examination and Repairs (if any)

Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he has made his services for this purpose, and why they were declined.

Has a special damage report been made by anyone else? If so, by whom?

Has the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *yes*

Has the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? *yes*

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BS £ 6:0:0
mine 10:10:0
WOT 8:8:0
expenses (if chargeable) 6:6:0

FRI. 20 NOV 1942

Referenced

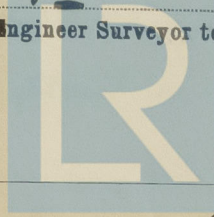
Committee's Minute

ed.

Fees applied for
28th Oct. 1942
Received by me,
19

R. B. Grier

Engineer Surveyor to Lloyd's Register of Shipping.



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Lloyd's Register
Foundation

002151-002156-00821

T.S.S. 'LADY CONNAUGHT'

Stand. turning engine bed plate repaired with a fixed clip.

St. Wain feed pump foot casting renewed.

St. Sanitary pump air vessel renewed.

Pump room. 2 heavy oil fuel pressure pumps free-repaired. oil fuel transfer pump. C. I. base renewed, 2 vertical steel pillars renewed. 4½" bore 4 way piece under transfer pump and 4½" sluice valve renewed. Oil filling stations one valves P. & S. renewed. deck flange P. side piece renewed.

Oil fuel settling tanks opened up cleaned and tested, heating coils cleaned and tested. Filling pipe renewed.

Oil fuel by pass valve No 3 heater renewed.

" " filling pipe bulkhead gland renewed.

Pneumometer gauges & pipes examined & placed in good order.

Sanitary pump air vessel renewed.

Port circulating pump base pillar & column repaired.

Stand. " " " " " " " "

Port air pump cylinder lug repaired.

Stand. " " base repaired.

Stand. Fan engine base repaired. Port Fan engine crank in lathe.

Ballast pump base repaired.

Stand bilge injection valve pipe extension renewed.

Cross connection valves P. & S. circulating pumps Stand. valve spindle failed.

Aft Peak suction pipe repaired.

~~Tunnel bearing plunger blocks 7 No. renewed 12 caps renewed~~
~~all bearings reinstalled.~~

The main engines are to be repaired by Messrs Harland & Wolff Ltd.

Fire damage.

Starboard Fan engine removed opened up cleaned examined and adjusted, new exhaust valve fitted, supporting bracket to stool fitted with angle, Fan removed failed and refitted, shaft failed, bearings reinstalled, casing released & failed. Air trunk to stockhold bulkhead removed failed & refitted.

Starboard Condenser, induction pipes with expansion joints disconnected & removed for access to shell repairs. Condenser opened up cleaned defective tubes renewed & condenser tested. Starboard circulating pump opened up cleaned examined and adjusted, white metal in after bearing renewed. Suction & discharge pipes removed & refitted. Cooling water service branch repointed a number of valves pipes between Condensers H.W. feed tank, & a number of pipe connections removed for access & refitted. Floor plates in engine room removed failed and refitted.

T.S.S. "LADY CONNAUGHT"

Engine room door renewed in 2 sections.

Stokehold. Stand. side forced draught casing removed painted & refitted.

N.T. door operating shaft & buckled bracket renewed.

Safety valve casing gear spindle & buckhead bracket refitted.

Lighting up oil pump & piping removed and refitted chest renewed, a number of oil fuel system pipes removed and refitted.

Part M.S.

Vessel placed in dry dock. Propellers, screw shafts, stern bushes, oil glands, sea connections with their fastenings examined.

Intermediate and thrust shafting, pumps and condensers examined condensers tested.

The valves, cocks, pipes and strainers of the pumping arrangement examined.

Main steam pipes examined under a hydraulic test at 400 lb sq

B.S.

Boilers examined internally and externally with mountings, safety valves, man hole doors and fastenings.

The safety valves of the forward boiler S.E. were adjusted under steam at 195 lb.

Repairs wear & tear.

Stern bushes white metal renewed. oil glands overhauled.

Port & Stand. Condensers, tubes drawn tested & refitted. Numbers reduced to 1124. Port condenser 630 tubes renewed.

Feed pumps, Keir. Stand. shuttle valve refaced, valve rod & valve gear rebushed, piston & pump rods turned neck & gland bushes renewed. piston & bucket rings renewed.

Port pump, Piston & rings renewed, piston and bucket rods turned neck and gland bushes renewed.

Air pumps, chambers rebored bucket rings renewed. Stand. 1 new rod & nut 3 guards for head valves 3 sets of group valves renewed.

Port. 1 set of valves.

Sanitary pump cylinders bored pistons and rings renewed.

Port fan engine piston valve renewed.

Port. centrifugal pump engine, valve refaced.

Boilers.

Stand. (DOUBLE ENDED) Stand. wing chamber 20 plain & 3 stay tubes renewed ap-tube plate built up. Stand. centre 20 plain & 3 stay tubes renewed 3 stay nuts renewed. Port centre 20 plain & 3 stay tubes renewed 4 stay nuts renewed. Port wing tube plate seam caulked. several tubes expanded. one screw stay renewed.

Port. (D.E). Stand. wing chamber several tubes expanded. St. centre 6 tubes renewed several expanded. Port centre, several expanded.

T.S.S. LADY CONNAUGHT

Port-wing, 2 stay tubes renewed several expanded, one screw stay renewed.
Forward, S.E. stand, wing chamber tube plate top seam caulked
2 stay tubes expanded, stand, centre 2 tubes renewed several expanded,
funnel seam caulked, Port-wing several tubes expanded.

Mountings. Port-boiler main check valve chest repointed to shell, circulating
valves ditto. Forward boiler 2 check & circulating valves repointed
to shell. Internal feed pipes repaired. Wasted plates on apex
uptakes P. & S. boilers, renewed.

Steering engine piston rods renewed.

Windlass. Pt. pistons rings renewed st. crosshead brasses renewed,
piston rods turned neck & gland bushes renewed, cylinder studs
renewed.

Fore peak & No 1 hold suction pipes repaired. Two engine room
suction pipes renewed.

4" suction pipe fitted to No 2 hold.

Electrical Installation

This has been renewed see 1st E. Report.

This vessel has been towed to Messrs Harland & Wolff Ltd. Belfast
to have her main engines taken out, new cylinders & bedplates
fitted & the engines rebuilt, refitted in the ship & tested under
working conditions.

To complete the B.S. & M.S. surveys.

D.E. Boilers safety valves to be adjusted.

Main engines to be installed after rebuilding and test
under working conditions.

Stand. Main air pump steam cylinder to renew.

Electrical installation to complete & test.

Belfast surveyors informed.

R. B. Lyster



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Misc & fire damage
Machinery partly examined &
some repairs effected.
Now completing no
Reefest
promitted action
be deferred.

Both S 842

DSH
19/1/42



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