

COPY.

Lloyd's Register of Shipping.

Port SEATTLE, WASHINGTON.April 17th, 1943.

3536

This is to Certify that

W. Smith

the undersigned Surveyor to this Society did at the request of

the master and the agents attend at the S.S. "FORT WRIGLEY" for the purpose of examining and reporting on the repairs, etc., about to be carried out on certain of the main boilers and on the machinery.

Upon April 17th, 1943 and following days the vessel lying afloat at the Port Dock, Tacoma, Washington, the undersigned attended made examination and have to report as follows:-

MAIN BOILERS

Starboard Boiler:- An examination disclosed that several of the tube ends - plain and stay - also several of the combustion chamber screwed stays were leaking slightly and the following dealt with:-

P. Furnace:-	Plain tubes: 5	Stay tubes: 3	C.C. stays: 14.
C. " "	" " 9	" " 3	" " 9.
S. " "	" " 7	" " 5	" " 31.

Centre Boiler:- Several leaky tube ends and stays as in the the starboard boiler and the following dealt with:-

P. Furnace:-	Plain tubes: 10	Stay tubes: 1	C.C. stays: 10.
C. " "	" " 3	" " 3	" " 8.
S. " "	" " 3	" " 3	" " 5.

In addition to the foregoing two of the steam space through stays were found leaking at the back head and made tight.

MACHINERY

H.P. Valve:- It is understood trouble was experienced with this valve while the machinery was undergoing the dock trial at Victoria, B.C. and had to be dealt with. In order that a new set of valve rings be supplied at another port the class of the liner were checked and the following noted:-

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April 33, 1943.

S.S. "PORT WRIGLEY"

<u>H.P. Valve Liner.</u>	<u>Top.</u>	<u>Bottom.</u>
Top.	13.338"	13.675"
Centre.	13.365"	13.085"
Bottom.	13.338"	13.075"

The valve rings found with a decided opening in way of the tongue pieces but in the opinion of the undersigned still in an efficient working condition. It is recommended that the chamber be rebored when the new rings are to be fitted.

I.P. Valve:- An examination of this valve disclosed that same had worn at the sides to the extent of 100/000". The valve and spindle were removed to the shop, spindle tested for truth, the port side of the valve machined off and suitable strips $\frac{1}{8}$ " thick fitted and secured to these edges and valve restored to a normal working clearance. On valve being placed in position same checked and all assembled in proper working alignment.

General Service Pump:- One pet cock or valve broken off at the thread and a new one supplied.

Supplies:- The following placed on board at this time as being necessary:- Two spanners and screw drivers also four spare spark plugs for use in the motor boat; two box spanners for main engine cylinder covers.

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The repairs, etc., herein mentioned have been carried out and completed to my satisfaction and in my opinion the boilers and machinery of this vessel, so far as seen are now in good working condition.

(SIGNED) W. Smith
SURVEYOR TO LLOYD'S REGISTER



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