

LLOYD'S REGISTER OF SHIPPING.

PORT Galveston, Texas.

May-6th-1921.

THIS IS TO CERTIFY that

J. Gleave appointed by J. C. Grant

the undersigned Surveyor to this Society did at the request of the Division of Operations, U. S. Shipping Board, attend on board the Steel Screw Steamer "MIDDLEBURY" 2585/1469 tons of Wilmington, Del., on March-29th-1921 and subsequent dates, while the vessel was on the Drydock this port and also while steaming at full speed and maneuvering in Belivar Roads on April-27th-1921 for the purpose of making a general examination of her hull, rudder, propeller and machinery.

For further particulars see Vessel's Log-books.

The vessel's bottom was sighted and found in first class condition except for the under-mentioned defects, and free from indentations.

On examination found:-

RECOMMENDED:-

Shell Plating:-

After keel plate, after end about 40 rivets loose in port and starboard butt connections to "A" Strake and butt straps loose.

Cement to be removed, all rivets in butts cut out, holes reamed and reriveted plate edges to be chipped and caulked and cement renewed.

Port side:- "F" Strake:-

A number of rivet heads in the butts and seams of 9th and 10th plates from the stem are pitted.

All pitted rivets to be hardened up and caulked.

Propeller removed and tail end shaft drawn in. Propeller found in order. Tail end shaft pitted and grooved at the inside edges of brass liners 1/16" to 1/8" deep.

Tail end shaft to be cleaned, well covered between the liners with red lead cement and canvas and served with marline. Shaft to be put back in position, coupled up and propeller refitted.

Rudder:-

The third pintle from the bottom loose and also 1" too short.

The third pintle from the bottom to be removed and a new one 1" longer made and fitted in position.

The following repairs have recently been effected:-

Main Turbine:-

- New Rotor complete with Monel metal blades
- " Set stationary bucket rings
- " Ahead nozzle block
- " Set Rotor bearings
- " Turbine thrust bearings
- " Set carbon packings
- " " Diaphragm Labyrinth Packings
- " " Stationary astern buckets
- " Valve discs for Governor Valves
- Maneuvering valves overhauled
- Emergency trip valves "
- Steam strainer overhauled.

Boilers:-

Every third U bend removed from superheaters and holes plugged.

Main and auxiliary stop valves overhauled, safety valves overhauled and new springs fitted. A few leaky stays caulked. Blow off pads welded.

Main condenser:- Re-tubed and tested.

Auxiliaries:-

- Feed pumps overhauled
- Steering engine "
- Anchor winlass "
- Ballast pumps "

These repairs were effected and tested out, running at full speed, to my satisfaction.

The main turbine run smoothly without any vibration and maneuvered with ease.

The gauge readings were as follows:-

Steam 170 lbs.
Ahead nozzle 160 lbs.
Vacuum 28 1/2"
Revolutions of propeller 76

J. C. Grant
Surveyor to Lloyd's Register.
By *Jas. Glenne*



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Foundation

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