

"Empire Moose"Repairs Reclassification

Air pump Rod skinned, gland & neck bushes renewed
new g. h. Hood fitted to bucket

Main circulating pump new impeller shaft fitted, bearings relined with lignum vitae. Impeller fitted with clearance disc recessed into body and secured by countersunk screws. Outer edge of clearance disc lused to impeller body. Four radial cracks in impeller body plugged at outer ends. Repair considered efficient in the meantime, but it is recommended same should be re-examined in six months.

new piston rod fitted, gland and neck bushes renewed.
The piston valve eccentric sheave is at present secured to shaft by two screwed pins. These have been removed and considered efficient in the meantime; but it is recommended the eccentric sheave be keyed to shaft at the earliest opportunity before completion of special survey.

Ballast pump. new stem rings.
2 new slide valve spindles
Inlet and delivery valves seats machined.

Starboard Dynamo new piston and glands renewed
Governor overhauled

Starboard Dynamo new piston rings
Bottom half brasses renewed
Governor overhauled.

Machines tested under load & found satisfactory.

Steering engine opened out and found efficient. Telemotor system overhauled.
all tested under working conditions and found efficient.

Windlass Starboard Gypsy fitted with new g. h. bushes
Driving shaft sleeve piece rebushed
Port slide valve eccentric sheave renewed
Port crank disc fitted with steel ring shank & pinned on.
Starboard cable preventer plate fitted with mild steel patch
Steam and exhaust valves fitted with new spindles
Windlass tried under working conditions and found satisfactory.

It is recommended port crank disc, and starboard cable preventer plate, be re-examined before completion of reclassification survey. Considered efficient in the meantime.

Centre Boiler Port wing furnace 4 rivets renewed in wrapper plate
a number of other rivets seams caulked
Centre " 6 rivets renewed in wrapper plate
3 " " " a.c. furnace flange
a number of other rivets seams caulked
Starboard " 5 rivets renewed in wrapper plate
a number of other rivets seams caulked

Boiler hydraulically tested to 260 lbs sq. in. after repairs, examined and found satisfactory.

Safety Valve chest refitted on Boiler.

Other minor repairs effected; above machinery tested under working conditions & found efficient.

20/8/40

square with sides
adjacent sides white and a
diamond in the center purple and red

[illegible]

Examine carefully the following

1844

2nd report to Congress Nov 2

Handwritten note: The above is a copy of the original manuscript.

March 10 1892