

G. W. HINCKLEY.

Improvement in Stage-Machinery.

No. 129,227.

Fig. 1.

Patented July 16, 1872.

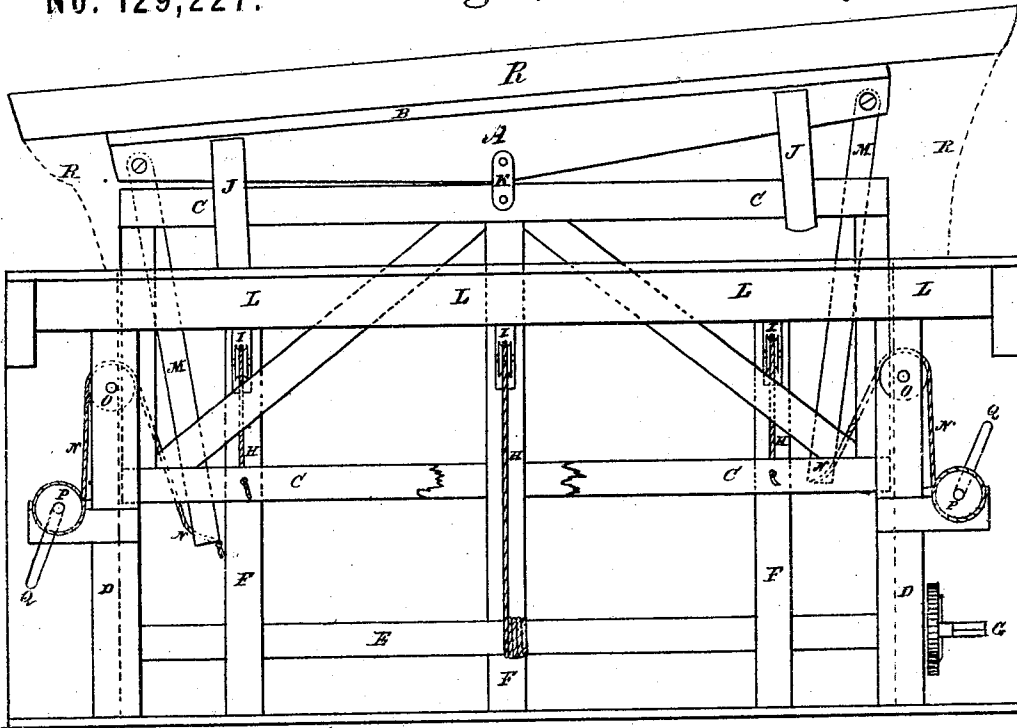
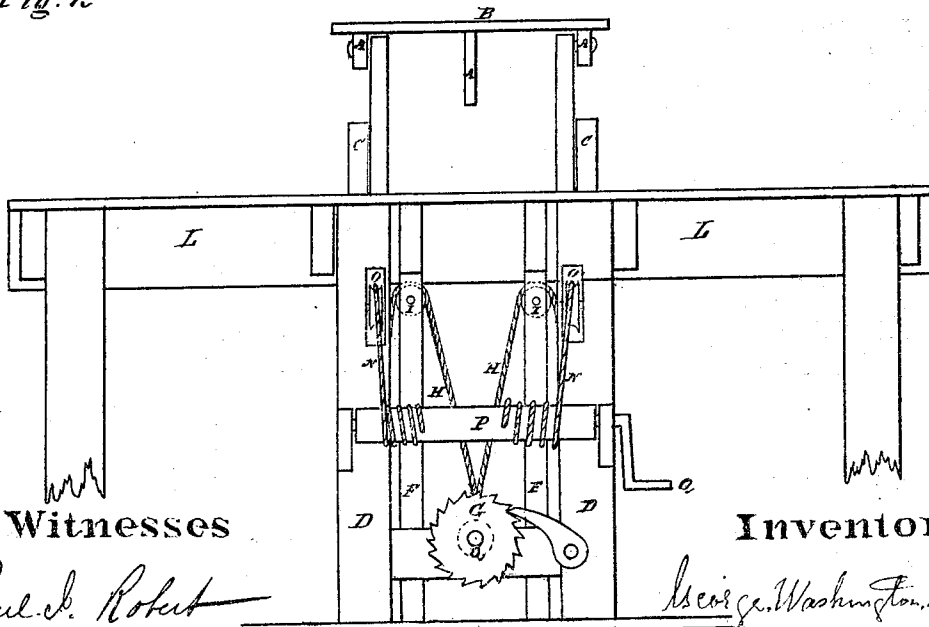


Fig. 2



Witnesses

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GEORGE WASHINGTON HINCKLEY, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN STAGE MACHINERY.

Specification forming part of Letters Patent No. 129,227, dated July 16, 1872.

SPECIFICATION.

I, GEORGE WASHINGTON HINCKLEY, in the city and county of San Francisco, State of California, have invented certain Improvements for the purpose of producing on the stage the rolling, pitching, and sinking of a ship, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to the combination of rockers resting on frames, both of which, being worked by cranks and drums connected with ropes, effect the motions of a ship at sea, viz., the rolling, pitching, and sinking thereof.

Description of the accompanying Drawing.

Figure 1 is a full and complete view of the mechanism embodying my invention. Fig. 2 is an end view of the machinery and appliances, as more fully seen in Fig. 1.

General Description.

A are the rockers, of which there are three, parallel to one another, of which there is an end view in Fig. 2. B is a platform cut out of the stage to represent the deck of the ship. Two of the rockers A pivot on two frames, C C C, which are set in two upright end-sloats at either end D D, and are raised and lowered by means of a shaft, E, with ropes H H H attached and running through uprights F F F, with sheaves I I I at the top connecting with shaft E. The shaft is worked by means of a crank, G. K is a center-hinge to keep the rockers in their places during the working of the machinery. This constitutes the machinery

for raising or sinking the platform on which is built the vessel. The rolling motion of the ship or platform on which is built the vessel is effected by simply reversing the ropes H H H on the shaft E, so that when one side is raised by working the crank G, the other side will be correspondingly lowered. The ropes are to be reversed only after having elevated the platform B to its required height.

The machinery to effect the pitching motion consists of loose sloats M M, of which there are four, two at each end, bolted to the end of rockers A. At the end of each sloat are attached ropes N N, which run through sheaves O O at the head of uprights D D. These ropes connect with two drums, P P, worked by cranks Q Q at either end. By raising one crank the same time that the other is lowered the pitching motion is effected. On platform B rests a device, R, of any kind, to represent the bulwarks of a ship or vessel, constructed of canvas and hanging down to the line of the stage L L L L, concealing from view the whole of the machinery worked above the stage, as is better seen in the model.

Claim.

I claim as my invention the mechanical combination above described, for the purpose of effecting on a stage the raising, sinking, rolling, and pitching of a vessel.

GEORGE WASHINGTON HINCKLEY.

Witnesses:

PAUL I. ROBERTS,
FRANK B. CILLEY.