

(No Model.)

C. E. NAYLOR.

MEANS FOR OPERATING ADVERTISING DEVICES FOR SHOW WINDOWS.

No. 416,848.

Patented Dec. 10, 1889.

Fig. 1.

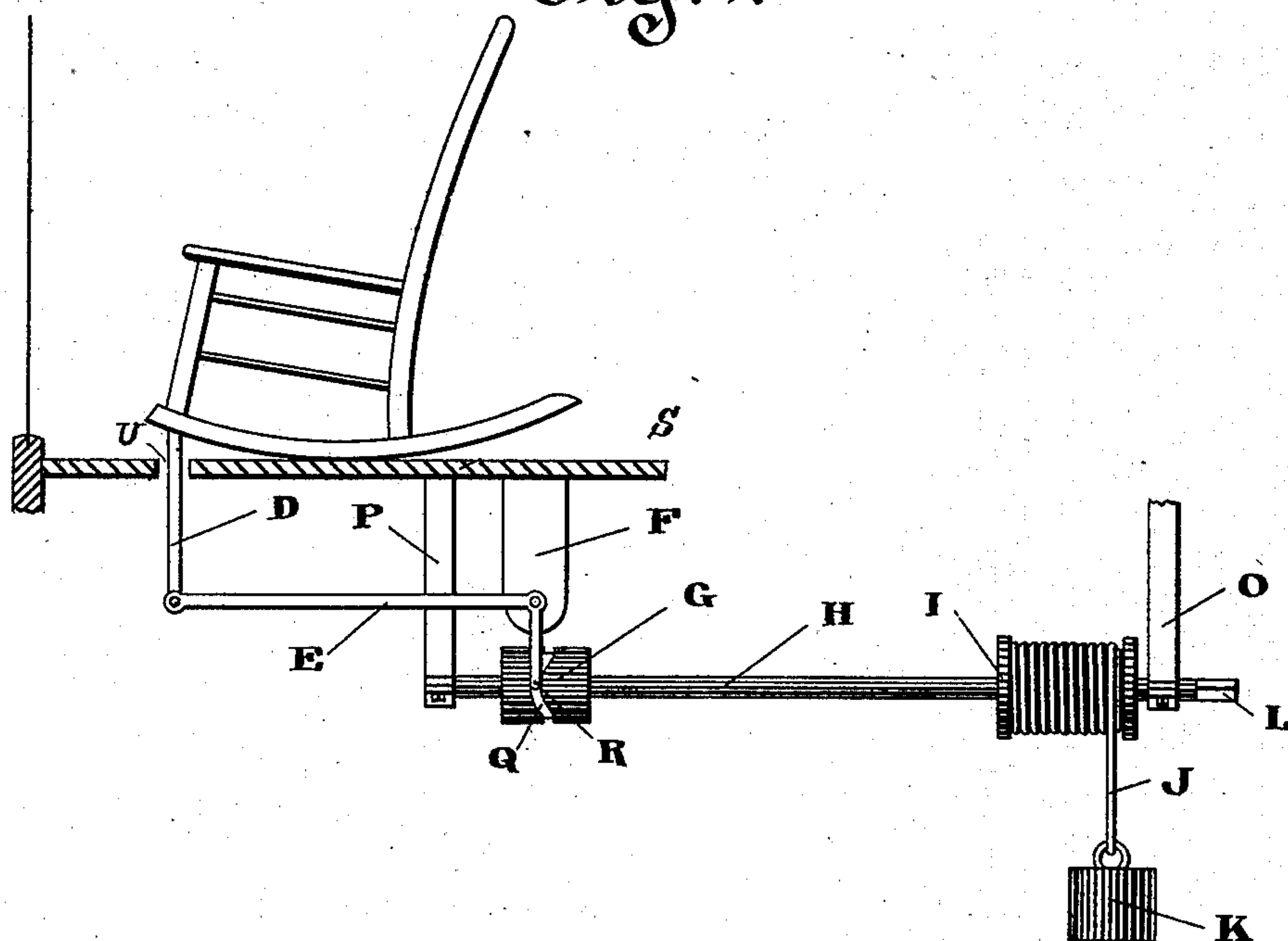
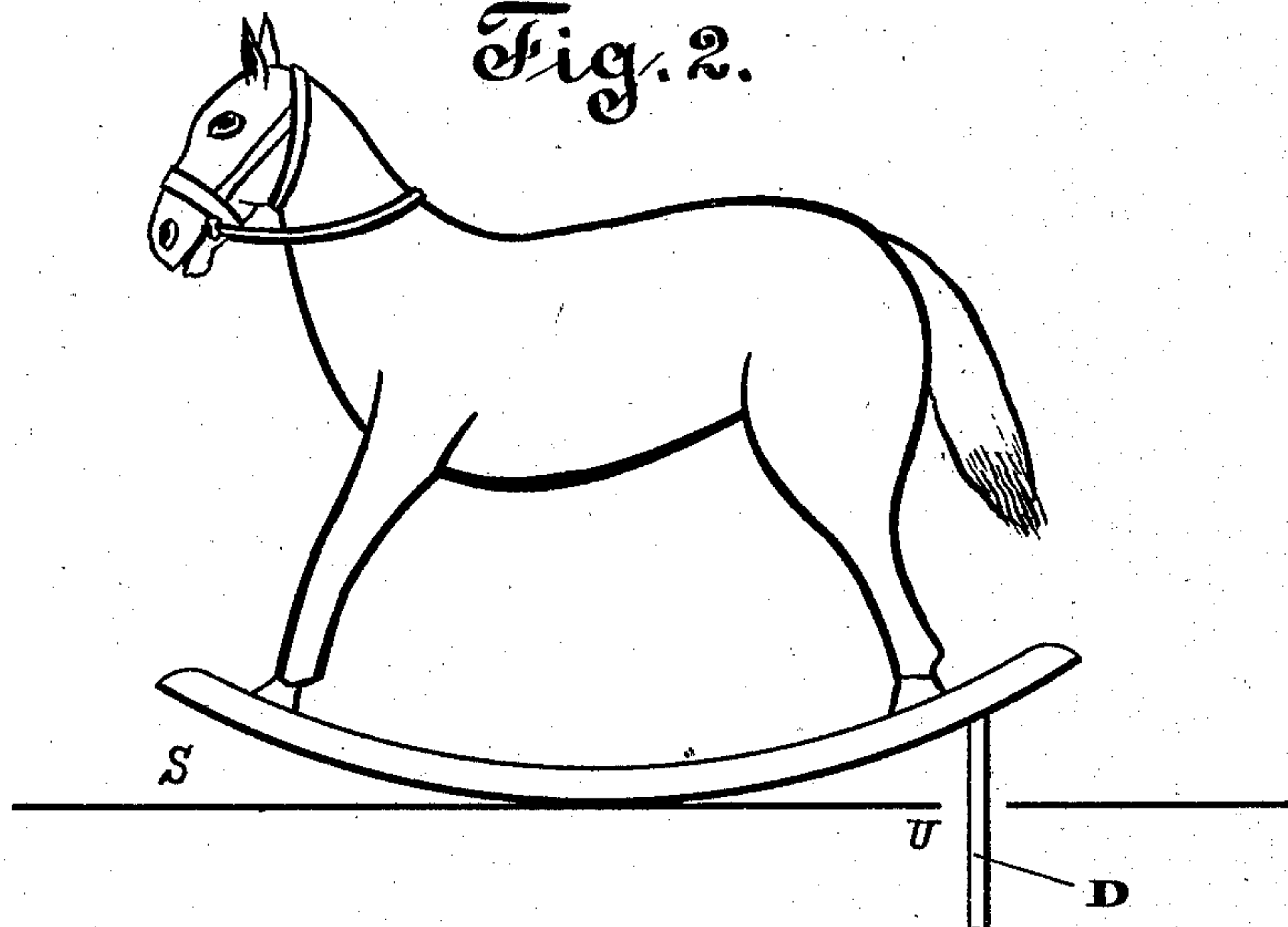


Fig. 2.



Attest.

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MEANS FOR OPERATING ADVERTISING DEVICES FOR SHOW-WINDOWS.

SPECIFICATION forming part of Letters Patent No. 416,848, dated December 10, 1889.

Application filed November 30, 1888. Serial No. 292,229. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. NAYLOR, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented a new and useful Device for Operating Rocking-Horses and Rocking-Chairs for Show-Windows, of which the following is a specification.

This invention has relation to improvements in mechanism for operating rocking toys or advertising devices; and the object of the invention is to produce a rocking or reciprocating movement of the same.

The invention will be fully understood from the following description and claim, taken in connection with the accompanying drawings, in which—

Figure 1 is a side elevation of my improved mechanism, showing the supporting-platform in section. Fig. 2 is a similar view of a rocking-horse, showing a connecting-lever attached to the rear of the rockers.

In carrying out my invention I first construct a platform S, for the purpose of forming a support for the depending mechanism and the device to be rocked. This supporting-platform S is provided near its forward end with a slot U to allow a passage for the connecting-lever D.

O and P indicate hangers, which form bearings for the shaft H. These hangers are attached to the under side of the supporting-platform and depend therefrom in the manner and position shown.

The main shaft H has fixed to it adjacent to the hanger O a pulley or drum I. This drum I is provided with a rope or cord J and a weight K, and the whole is adapted to form the power and operate the mechanism of the device. On the outer end of the shaft is provided an angular key-seat L for the introduction of a crank or key to wind up the cord

and weight when the device has run down. The shaft H is also provided near its forward end with a cylinder G, which is provided with an external worm-groove Q. This worm-groove engages a stud or friction-roller R on the lower end of the depending branch of the bell-crank lever E, which is pivoted upon a journal-lug on the depending arm F and in turn imparts motion to the connecting-lever D, as shown, and thence to the rocker or other device to receive motion.

In operation it will be seen that when the weighted cord has been wound upon the drum I and the device set in motion by the descending of the weight motion will be given to shaft H and imparted to the worm-grooved cylinder and the end of bell-cranked lever traveling in said worm-groove, and consequently the grooved cylinder, from whence it will be imparted through the medium of the bell-crank lever to the connecting-arm D and to the article attached thereto.

Having described my invention, what I claim is—

The combination, with a platform slotted as described, of hangers depending from said platform, a horizontally-arranged rotatable shaft journaled in said hangers, a winding-drum having a weighted cord secured thereto, a drum or pulley having a circumferential worm-groove and fixed to said shaft, a pivoted bell-crank lever having the lower end of its short branch arranged in the groove of the cylinder, and the arm pivotally attached to the long branch of the bell-crank lever and adapted to be connected with a rocker or the like arranged on the platform, substantially as specified.

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Witnesses:

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