

W. L. HUBBELL.
Toy-Dancer.

No. 159,325.

Patented Feb. 2, 1875.

Fig. 1.

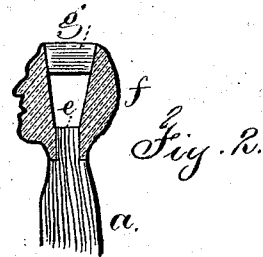
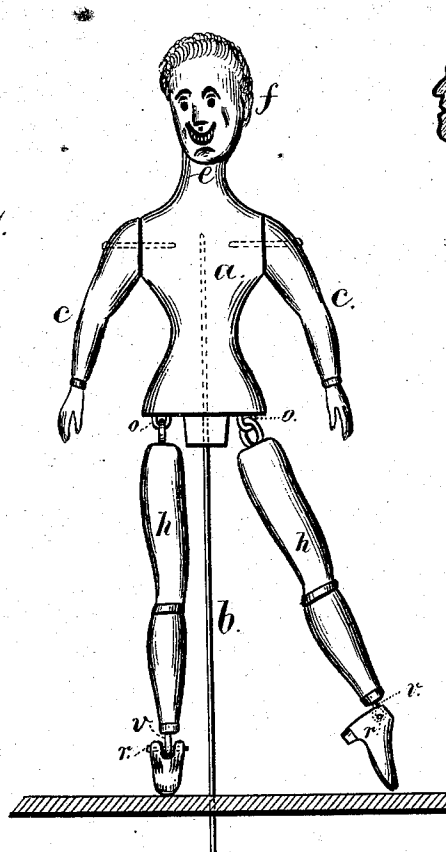
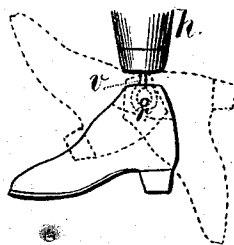


Fig. 3.

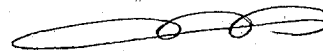


Witnesses

Charles Smith
Harold Serrell

Inventor

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att'y.

UNITED STATES PATENT OFFICE.

WILLIAM L. HUBBELL, OF NEW YORK, N. Y., ASSIGNOR TO RAYMOND JENKINS, OF SAME PLACE.

IMPROVEMENT IN TOY DANCERS.

Specification forming part of Letters Patent No. **159,325**, dated February 2, 1875; application filed November 24, 1874.

To all whom it may concern:

Be it known that I, WILLIAM L. HUBBELL, of the city and State of New York, have invented an Improvement in Toy Dancers, of which the following is a specification:

Dancing figures have heretofore been moved by clock-work, as in Letters Patent, No. 147,558, granted to me.

The present invention relates to an improved figure especially adapted to the mechanism patented as aforesaid, but which figure may be used in other toy dancers.

In figures of this kind it is usual to make loose joints at the knees; hence as the figures are moved up and down the knees frequently bend in the wrong direction in a very ungraceful manner.

My improvement relates to a figure made with legs jointed at the hips, and at the ankles to feet of a peculiar construction, whereby the dancing figure will move in a more correct manner, and rest either on the toe, the heel, or flat upon the sole of the foot, and these movements of the legs and feet will cause the figure to revolve as the mechanism gives to the same a vertical or nearly vertical movement.

In the drawing, Figure 1 is an elevation of the toy figure. Fig. 2 is a section of the head; and Fig. 3 is an elevation in larger size of one of the feet.

I prefer to make the body *a* of wood, as being light, and into the same a hole is made for the reception of the wire *b* to the mechanism, as in aforesaid patent. The arms *c* are preferably of composition pressed in a mold similar to the composition used for architectural ornaments, and these arms are attached to the body by wire pins. The wooden body terminates as a neck, *e*, that is elongated to pass into the composition head *f*, upon which neck the head is glued. The head is made with a hole passing vertically through the same. It is pressed in a mold while the material is sufficiently plastic, after which it is allowed to dry and harden. The hole through the head lessens the weight, and to close the upper end of this hole I make use of a cork,

g, that is inserted thereinto, and preferably glued. This cork furnishes the point of attachment for the hat or bonnet, as the same can be secured by a pin or small tack passed into the cork. At the lower parts of the body, corresponding with the hips, there are wire eyes *o*, and similar eyes are inserted into the upper ends of the legs *h h*. These legs are molded and made of composition aforesaid, and without knee-joints, and I find that if the wires of the eyes at the top and bottom ends of the legs are pressed into the composition before it dries and hardens, they will be held in a very firm manner. The feet are made nearly triangular, with a mortise at the ankle portion over the heel, into which mortise the wire eye *v* at the lower end of the leg is passed, and a pin, *r*, is inserted through the foot and said eye. The size of the mortise is such that the foot hangs loosely, and sufficient motion is allowed for the foot to turn and strike the platform endwise upon the toe, or to rest upon the sole, or upon the heel with the toe pointing upward. These movements of the foot, as the figure is raised and lowered by the wire *b*, cause the legs to swing off from the body in different directions, and the foot to touch the platform upon the heel or toe, and the figure to be revolved more or less by the leg pushing the body around as the figure descends after the foot has touched the platform.

I claim as my invention—

1. The composition doll-head with the tapering hole passing entirely through the same for receiving the neck *e* and stopper *g*, substantially as and for the purpose set forth.

2. The toy figure made with feet, in each of which there is a mortise at the ankle, receiving the eye at the lower end of the leg, said leg being stiff at the knee, and jointed at the hip to the body, all substantially as and for the purposes set forth.

Signed by me this 19th day of November, A. D. 1874.

WM. L. HUBBELL.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.