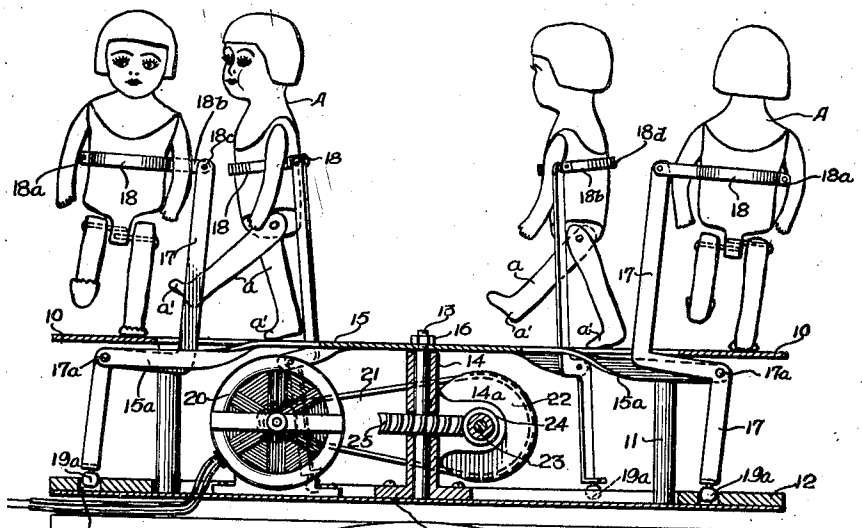
Dec. 19, 1922. 1,439,641.

I. A. ROMMER.

DISPLAY DEVICE FOR WALKING FIGURES.

FILED DEC. 22, 1920.

Fig. 2.



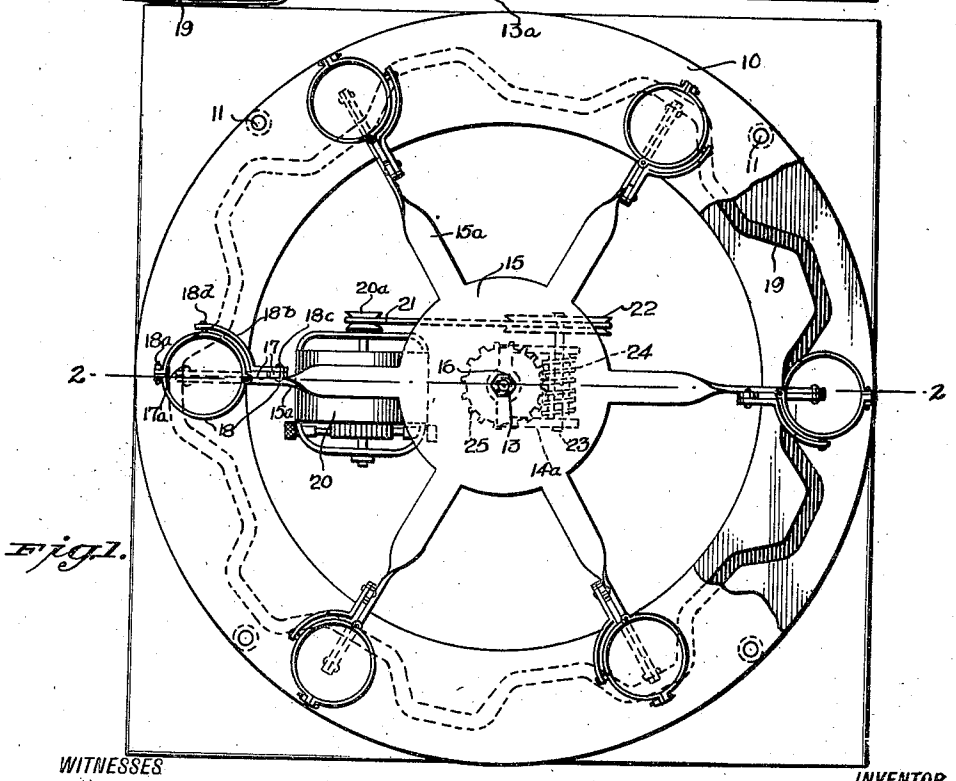


Fig. 1.

WITNESSES

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Patented Dec. 19, 1922. 1,439,641

UNITED STATES PATENT OFFICE.

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DISPLAY DEVICE FOR WALKING FIGURES.

Application filed December 22, 1920. Serial No. 432,514.

To all whom it may concern:

Be it known that I, ISAAC A. ROMMER, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Display Device for Walking Figures, of which the following is a description.

My invention while intended more particularly for exhibiting walking dolls in a way to illustrate the movements of walking is useful for exhibiting other figures having pivotally mounted legs.

The general object of my invention is to provide a stand of simple construction with means for supporting the toy and carrying the same forwardly as well as means to be engaged by the feet of the toy for tripping or holding the same momentarily to simulate the walking movement as the toy moves forwardly.

Reference is to be had to the accompanying drawing forming part of this specification, it being understood that the drawing is merely illustrative of one example of the invention.

Figure 1 is a plan view, the figures being omitted;

Figure 2 is a vertical section of a display device embodying my invention with a series of figures mounted therein.

In carrying out my invention in accordance with the illustrated example a platform 10 is provided rigidly supported by suitable means, there being illustrated posts 11 beneath said platform and rising from a suitable base 12.

A vertical shaft 13 is centrally disposed on the base 12 which turns at its lower end in an upright bearing 13^a. The shaft is shown as passing through a sleeve 14. Said sleeve may be fixedly supported by any suitable means, it being shown as rigid with brackets 14^a in fixed relation to bearing 13^a. On the shaft 13 at the upper end is secured a revolving structure 15 which may, as shown, be in the form of a disk presenting radial arms 15^a, said disk resting on a shoulder produced by the reduced upper end of the shaft 13 and being held to said shaft by a nut 16.

In the present device the platform 10 is of annular form outside of and in substantially the same plane as the carrier disk 15.

The figures A are each secured by a clamp 18 here shown as embracing the torso of the doll and having a hinged side for the entrance and removal of the figure, said side being here shown as held by a bolt 18^a. The clamp 18 is supported on a link 18^b, one end of which is pivotally secured as at 18^c to an upstanding lever 17, the opposite end of said link being pivoted to clamp 18 by a lateral stud or pin 18^d, projecting at one side of said clamp, whereby the clamp has vertical play on the pivots 18^c, 18^d. The lever 17 is fulcrumed between its ends as at 17^a to the outer end of an arm 15^a, said lever being offset above the fulcrum to dispose the upper portion at a side of the clamp 18 and at the inner side of figure A carried by the clamp. A means is provided to act on the lever 17 whereby to rock the same on its fulcrum and thereby tilt the figure A laterally to impose the weight of the figure alternately on the respective legs, to thus cause engagement of the legs with the platform 10. The illustrated means for actuating the lever 17 consists of a zig-zag slot 19 in the base 12 in which slot a swivelled ball 19^a on the lower end of the lever travels. The zig-zag bends of the slot 19 alternately carry the ball 17 into paths to tilt the lever to the right and to the left to throw alternately the right leg and left leg into engagement with the platform 10.

It will readily be understood that the shaft 13 may be driven by any suitable means, there being shown for the purpose an electric motor 20 from a pulley 20^a on the shaft of which motor a belt 21 runs over a pulley 22 on a shaft 23 turning in the brackets 14^a, said shaft having a worm 24 in mesh with a worm wheel 25 on shaft 13 between the sleeve 14 and the bearing 13^a.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the mechanical details herein illustrated, since manifestly the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A device for displaying walking figures comprising a platform, means to support a figure above said platform, so that the feet of the figure may contact with the platform, means to carry the supported figure forwardly, and means to cause engagement al-

ternately of the feet of the figure with the said platform to alternately retard the respective feet as the figure moves forwardly.

2. A display device for walking figures, comprising a carrier, means on the carrier to support the figure to be displayed, and means to tilt the holding means laterally, and alternately impose the weight of the figure on the respective legs, as the carrier moves the figure forwardly; together with a platform to be engaged alternately by the legs in tilting.

3. A display device for walking figures, comprising a platform, a revolving carrier, levers on the carrier, means on the levers above the platform to support the figures to be displayed, and means to rock the levers as they move forwardly with the carrier to thereby tilt the figures for alternately engaging the legs thereof.

4. A display device for walking figures, comprising a platform, a revolving carrier, upright levers on the carrier, clamps pivotally supported on the levers above the platform and pivotally supported to have vertical rocking movement and a fixed structure beneath the platform and having a zigzag groove in which the levers engage whereby to tilt the levers laterally to alternately engage the feet of a figure with the platform.

ISAAC A. ROMMER.