March 7, 1939. J. HOJNOWSKI 2,149,677

TOY

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Fig. 1.

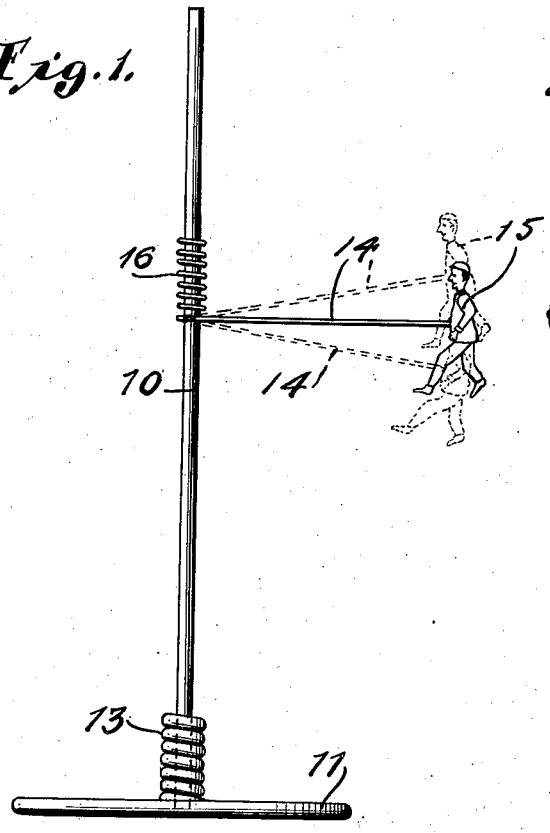


Fig. 3.

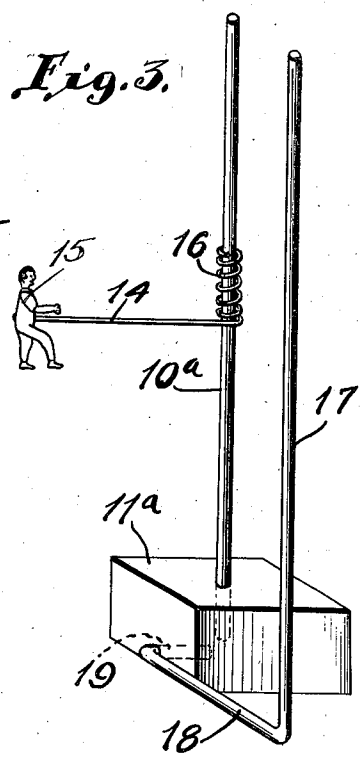


Fig. 4.

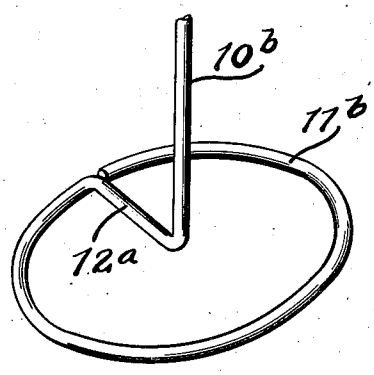
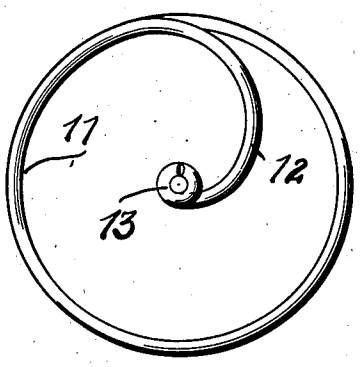


Fig. 2.



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Fig. 5.

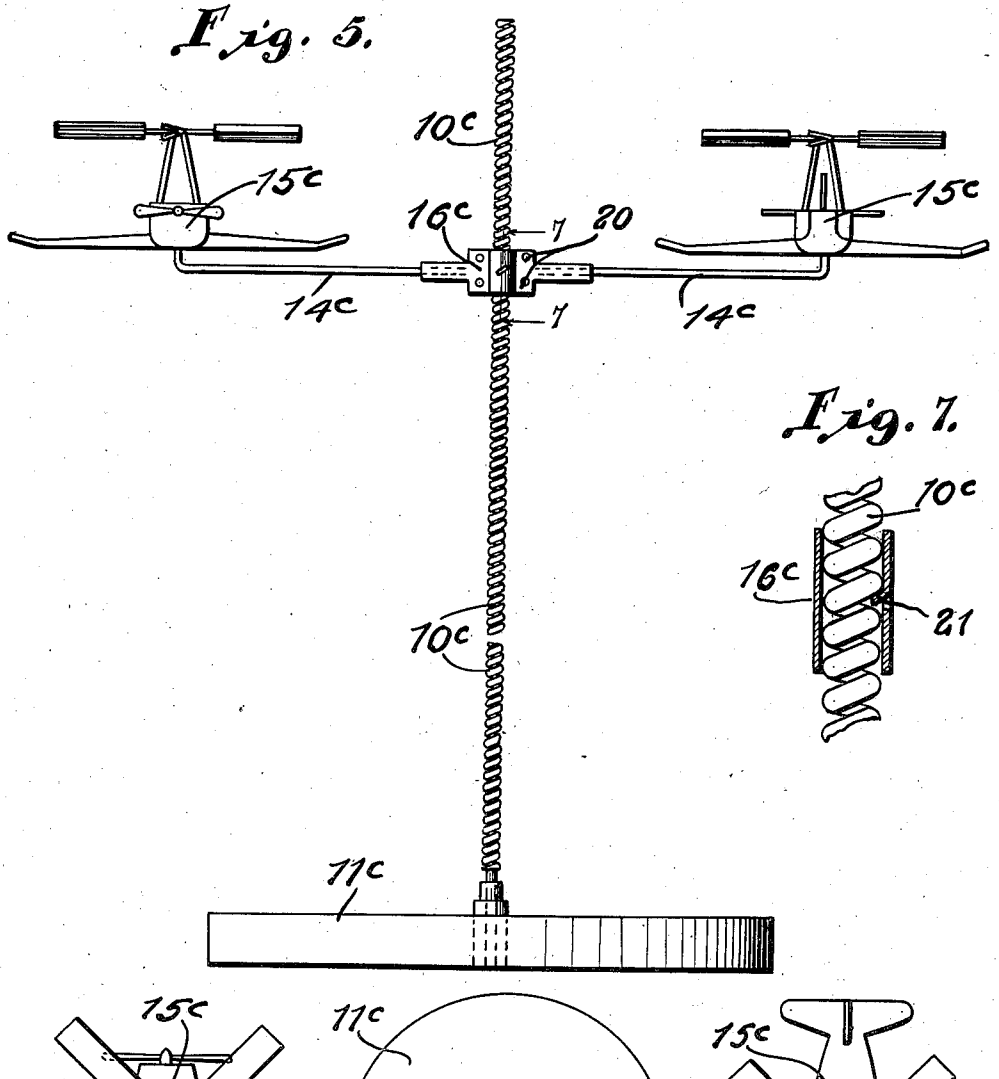


Fig. 7.

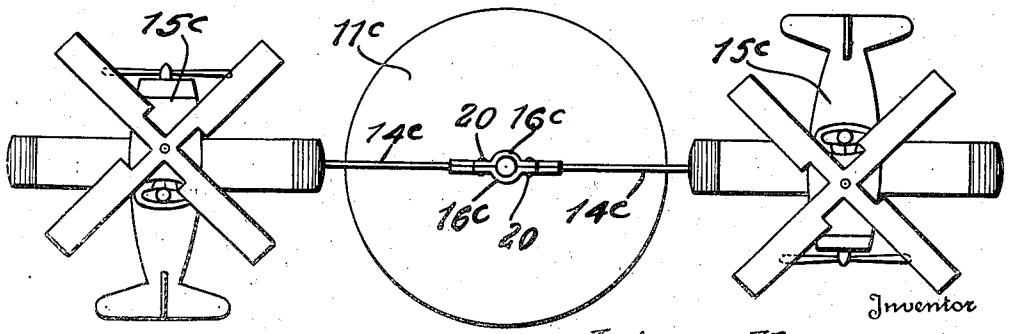


Fig. 6.

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UNITED STATES PATENT OFFICE

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TOY

Jakob Hojnowski, Nekoosa, Wis.

Application May 18, 1937, Serial No. 143,358

2 Claims. (Cl. 46—47)

This invention relates to certain new and useful improvements in toys.

The primary object of the invention is to provide a toy wherein an arm having a figure toy or the like carried by the outer end thereof has its inner end mounted upon a perpendicular rod at the upper end thereof with the arm gradually lowered on the vertical rod with vibratory movements imparted to the toy figure or the like at the outer end of the arm to create dancing effects.

A further object of the invention is to provide a toy of the foregoing character wherein a novel construction of base support is provided for the perpendicular rod.

A still further object of the invention is to provide a toy including a perpendicular rod of thread formation for the support of a bracket threaded thereon with devices carried by the outer ends of the brackets, preferably in simulation of aeroplanes that create the impression of flying when the threaded bracket moves downwardly on the threaded vertical rod.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings:

Figure 1 is a side elevational view of a toy constructed in accordance with the present invention, the figure toy at the outer end of the bracket arm that is supported on a vertical rod being illustrated in different dotted line positions as the result of vibratory movements imparted thereto;

Figure 2 is a top plan view of the base support with the vertical rod shown in Figure 1;

Figure 3 is a perspective view of another form of base support for two vertical rods;

Figure 4 is a fragmentary perspective view of another form of the device wherein the supporting base and vertical rod is formed from a single strand of wire;

Figure 5 is a side elevational view of another form of toy wherein the vertical rod has a screw block mounted thereon for the support of figure toys or the like;

Figure 6 is a top plan view of the device shown in Figure 5; and

Figure 7 is a detail sectional view taken on line 7—7 of Figure 5, showing the thread connection between the bracket and the vertical threaded rods.

Referring more in detail to the accompanying drawings and particularly to Figures 1 and 2, the toy comprises a vertical rod 10 mounted upon a base support, preferably formed of heavy gage wire bent into ring formation as at 11 with a section of the wire 12 curved inwardly of the ring 11 as shown in Figure 2 to the center of the ring and then twisted into a vertical coil 13 constituting a socket for the lower end of the vertical rod 10.

A bracket arm 14 formed from heavy wire carries a figure toy 15 at its outer end while the inner end of the wire of the bracket arm 14 is bent into a tubular coil 16 adapted to surround the vertical rod 10 and have slight frictional contact therewith. When the coiled section 16 of the bracket arm 15 is mounted upon the upper end of the vertical rod 10, said bracket arm may be slightly moved upwardly or downwardly at its outer end and this initial movement results in continuous vibratory movements which cause the figure toy 15 to move upwardly and downwardly as illustrated by dotted lines and which vibratory movement also causes the coil 16 to creep slowly downwardly upon the vertical rod 10 and also to rotate on the vertical rod 10 to impart a circulatory movement to the figure toy 15.

In the form of invention shown in Figure 3, the vertical rod 10*a* is removably mounted at its lower end in an opening in a rectangular block 11*a* with a bracket arm 14 carrying a figure toy 15 and having a coiled section 16 mounted upon the rod 10*a*. In this form of the invention, a second rod 17 may also be attached to the base block 11*a* and be positioned laterally of said block by means of the lower angle end 18 that has an angularly directed pin 19 at the free end of the angle end 18 for removable mounting in a socket adjacent the lower face of the base block 11*a*. Bracket arms 14 may be simultaneously or selectively mounted upon the vertical rods 10*a* and 17.

In the form of invention illustrated in Fig. 4 the base support and vertical rod are formed from a single strand of wire, the base support 11*b* comprising a wire bent into circular formation with an inwardly directed arm 12*a*, extending toward the center of the ring 11*b* and then bent to provide the vertical rod 10*b*.

In the form of invention illustrated in Figures 5 to 7, the base support 11*c* comprises a comparatively heavy disk block from which a vertical threaded rod 10*c* rises. A collar formed of a pair of straps 16*c* that are bolted together as at 20 is mounted upon the threaded rod 10*c* and one of said straps 16*c* as shown in Figure 7 has a

finger 21 struck out therefrom in an inward direction to engage with the threads of the rod 10c. An outwardly directed bracket arm 14c extends from diametrically opposite sides of the bracket straps 16c and the outer end of each bracket arm 14c carries a figure toy 15c representative of an aeroplane. During use of the toy, the bracket threads downwardly upon the vertical threaded rod 10c while the figure toys 15c move through circular paths in a downward direction over the vertical rod.

From the above detailed description of the invention, it is believed that the construction and use thereof will at once be apparent and while there are herein shown and described the preferred embodiments of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:

1. In a toy of the character described, a base support, a perpendicular rod rising therefrom, a bracket arm supported at one end on the rod and carrying a figure toy at its other end and the rod supported end of the bracket arm comprising an elongated coiled member adapted to move slowly downwardly on the rod during swinging movement of the bracket arm around the perpendicular rod.

2. In a toy of the character described, a base support, a perpendicular rod rising therefrom, a bracket arm supported at one end on the rod and carrying a figure toy at its other end and the rod supported end of the bracket arm adapted to move slowly downwardly on the rod during swinging movement of the bracket arm around the perpendicular rod, the base support including a block in which the perpendicular rod is removably supported and another perpendicular rod having an angled lower end removably attached to the block with the last named rod disposed laterally of the block.

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