E. HAWKINS.

TOY.

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1,319,581.

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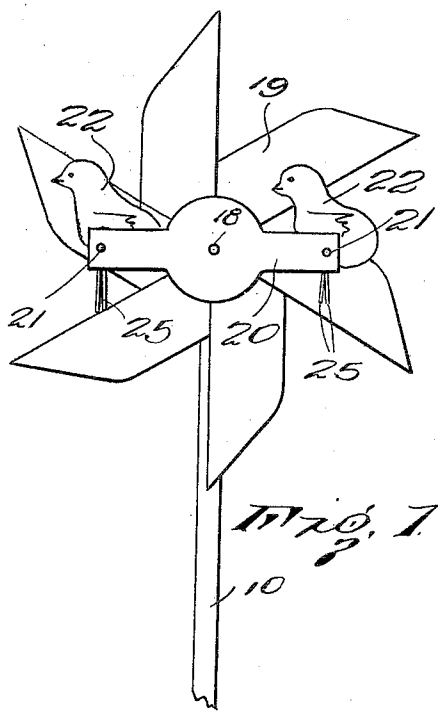


Fig. 1.

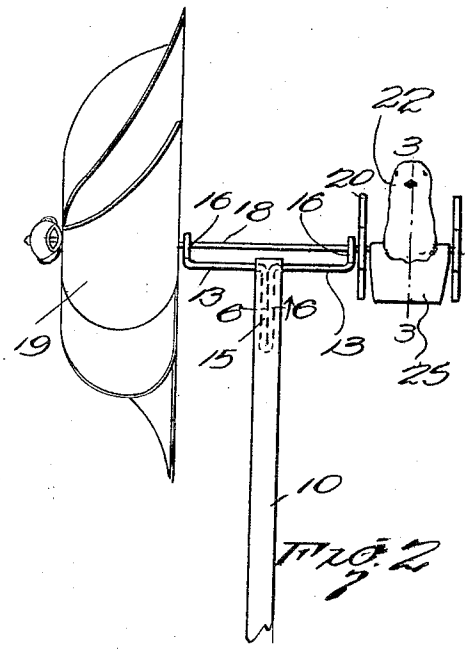


Fig. 2.

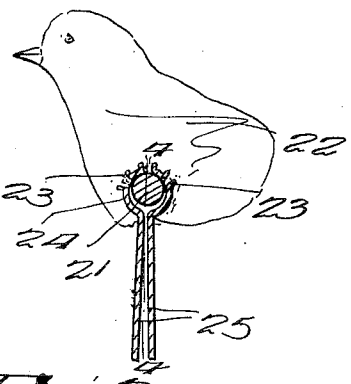


Fig. 3.

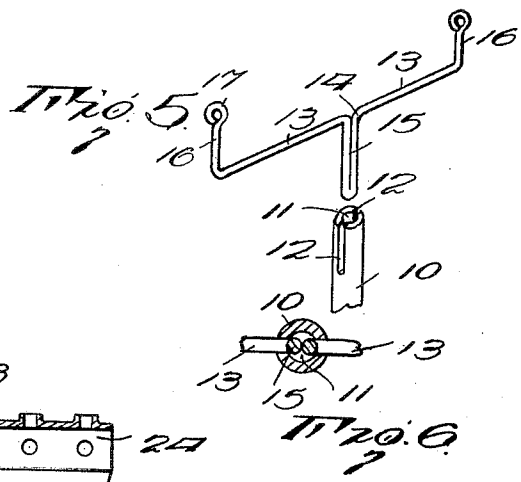


Fig. 6.

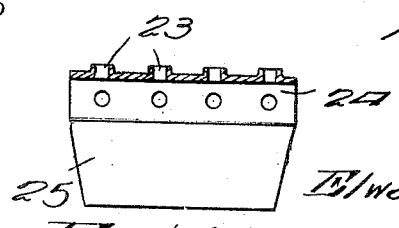


Fig. 4.

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TOY.

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To all whom it may concern:

Be it known that I, ELWOOD HAWKINS, a citizen of the United States, residing at Atlantic City, in the county of Atlantic and State of New Jersey, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention relates to an improved toy of the pin wheel type and the principal object of the invention is to provide an improved pin wheel toy having improved means to rotatably mount the axle of the pin wheel and connect the axle carrying yoke with the handle and to further provide an improved carrier mounted upon the axle of the pin wheel and loosely supporting toy figures so that they may be moved about the axle but retain an upright position while moving.

Another object of the invention is to provide improved means for connecting the auxiliary toy figures with the carrier carried by the pin wheel axle, the carriers for the figures being extended to constitute counter weights.

Another object of the invention is to so construct these figure holders that they may be detached when desired but to further so construct them that the holders will not accidentally become disconnected from the carrier mounted upon the pin wheel axle.

Another object of the invention is to so construct this toy that it will be simple in construction and cheap to produce and to further so construct it that it will be strong and durable, and not liable to easily get out of order or become broken.

This invention is illustrated in the accompanying drawings wherein;

Figure 1 is a view showing the improved toy in elevation,

Fig. 2 is a view showing the toy in elevation and taken at right angles to the showing in Fig. 1,

Fig. 3 is an enlarged sectional view through the mounting for the auxiliary toy figure taken on the line 3—3 of Fig. 2,

Fig. 4 is a sectional view taken along the line 4—4 of Fig. 3,

Fig. 5 is a perspective view of the upper portion of the handle together with the axle carrying yoke withdrawn from the handle.

Fig. 6 is a sectional view through the handle taken along the line 6—6 of Fig. 2.

This improved toy or pin wheel is provided with a handle 10 having its upper end portion provided with a socket 11 and side slots 12 through which will pass the arms 13 of the axle carrying yoke or fork indicated in general by the numeral 14. This fork is formed of a single strand of wire bent intermediate its length to provide the shank 15 which fits into the socket 11. The arms 13 extend through the slots 12 and have their free end portion bent to provide fingers 16 which terminate in bearings 17 through which will extend the axle 18. The shanks will fit tightly into the socket and if desired may be secured against removal by glue.

This axle 18 turns easily in the bearings 17 and extends beyond the bearings 17 as clearly shown in Fig. 2. A pin wheel 19 is rigidly mounted upon one end portion of the axle. This pin wheel will be of a conventional construction and may be rigidly secured upon the axle in any desired manner. Upon the opposite end portion of the extended axle will be mounted the auxiliary toy and will include a carrier having arms 20 rigidly mounted upon the axle in spaced relation and having their end portions connected by pins or bearing arms 21. These cross bars 21 are to mount the figures 22 and it is to be understood that the invention is not limited to the specific type of figures shown. This simply illustrates the conventional figure. The figure shown is that of a small chicken and is formed of cotton. This figure is provided with a base or holder formed of sheet metal punched out to provide outstanding projections 23 along the sleeve 24. This roughening of the sleeve 24 permits the cotton from which the figure is formed to adhere very tightly to the sleeve when the figure is put in place and secured by glue or some other similar fastening medium. The end portions of the blank from which this holder is formed or bent to provide depending arms 25 which constitute a weight or counter-balance serving to retain the figure in an upright position. By having the holder formed of resilient material the holders may be removed and new figures put in place thus permitting the vender of these toys to provide a number of different kinds of figures and put them in place when selling these toys thus giving the customer a choice as to the type of figure. From the above description it will be readily evident that when the device is in use the axle is rotated by wind blowing upon the pin wheel 19 and as the axle rotates the carrier of the aux-

iliary structure will be rotated with the axle. The figures will therefore move in a circle about the axle but will retain their upright position due to the action of the arms or weights 25. It will thus be seen that a very novel and attractive toy has been provided.

What is claimed is:

1. A toy comprising a staff, a yoke carried by the staff, an axle rotatably supported by the yoke and extending beyond the ends thereof, a turning element for the axle mounted upon one end portion thereof, a supporting element mounted upon the opposite end portion of the axle and including bars extending parallel to the axle and in spaced relation to the same, carriers loosely mounted upon the cross bars and figures mounted upon the carriers, the carriers being extended to provide counter-weights retaining the figures in an upright position.

2. A toy comprising a staff, a yoke carried by the staff, an axle rotatably supported by the yoke, a wind operated turning means for the axle mounted upon the same, a frame structure rigid upon the axle and including pivot bars extending substantially parallel to the axle and in spaced relation to the same, figures, and means loosely connecting the figures with the cross bars and extended to provide counter-weights retaining the figures in an upright position as the axle rotates and the figures move about the axle.

3. A toy comprising a staff, a wind operated wheel rotatably connected with the staff and having an elongated axle, arms rigid with the axle, cross bars connecting the arms, figures, and mountings loosely mounting the figures upon the cross arms, the mountings being provided with sleeves receiving the cross arms and counter-weights for the figures extending from the sleeves to retain the figures in an upright position.

4. A toy comprising a staff, a wind wheel rotatably connected with the staff and having an extended axle, a frame rigid upon the axle and including rods extending substantially parallel to the axle in spaced relation to the same, figures, and means for mounting the figures upon the rods each of said last mentioned means being formed of a plate bent intermediate its length to provide a sleeve positioned about the rod and arms extending from the sleeve and constituting counter-weights retaining the figure in an upright position.

5. A toy comprising a staff, a wind wheel rotatably connected with the staff and having an extended axle, a frame rigid upon the axle and including rods extending substantially parallel to the axle, carriers loosely mounted upon the rods and each formed of a strip bent intermediate its length to provide a sleeve loosely positioned about the rod and having arms extending to provide counter-weights, portions of the sleeve being struck out to provide a roughened outer surface for the sleeve, and figures positioned upon and adhering to the sleeves and retained in an upright position by the counter-weights.

6. A toy comprising a staff, a wind wheel rotatably connected with the staff and having an extended axle, a frame rotating with the axle and having cross rods, figures, and means for connecting the figures with the cross rods, said means being each formed from a strip bent intermediate its length to provide a sleeve loosely positioned about its rod and having arms extending from the sleeve in spaced relation, the arms constituting counter-weights for retaining the figures in an upright position as the frame rotates.

7. A toy comprising a staff having a socket in its upper end and provided with side slots leading from the sockets, a yoke having a shank fitting into the socket and provided with arms extending through the slots and terminating in bearings, a wind wheel having an axle extending through the bearing to rotatably mount the wind wheel and an auxiliary toy connected with the axle and receiving rotary movement as the axle rotates.

8. A toy comprising a staff having a socket at one end and having side openings leading from the socket, a yoke formed of a strand bent intermediate its length to provide a shank fitting into the socket and having side arms extending through the side openings and terminating in bearings, and a rotary element having an axle journaled in the bearings.

9. A toy comprising a carrier, a wind operating wheel having an axle rotatably connected with the carrier, arms rigid with the axle and extending transversely thereof, cross bars connecting the arms, figures, and means loosely connecting the figures with the cross bars and extended to provide counterweights retaining the figures in an upright position as the axle rotates and the figures move about the axle.

In testimony whereof, I affix my signature hereto.

ELWOOD HAWKINS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."