No. 889,729. PATENTED JUNE 2, 1908.

T. F. SLATER.

REVOLVING TOY.

APPLICATION FILED OCT. 2, 1907.

Fig. 1.

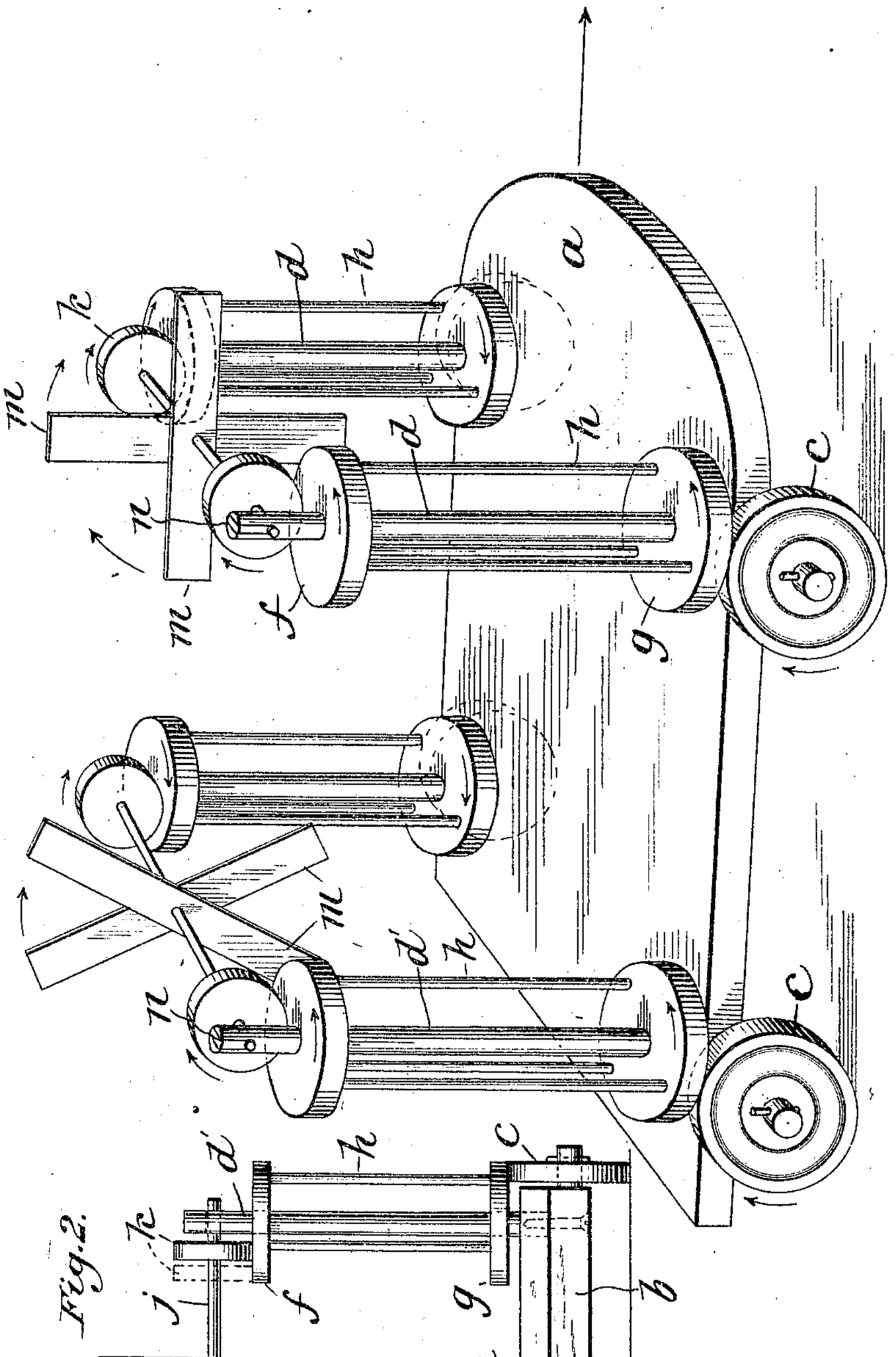
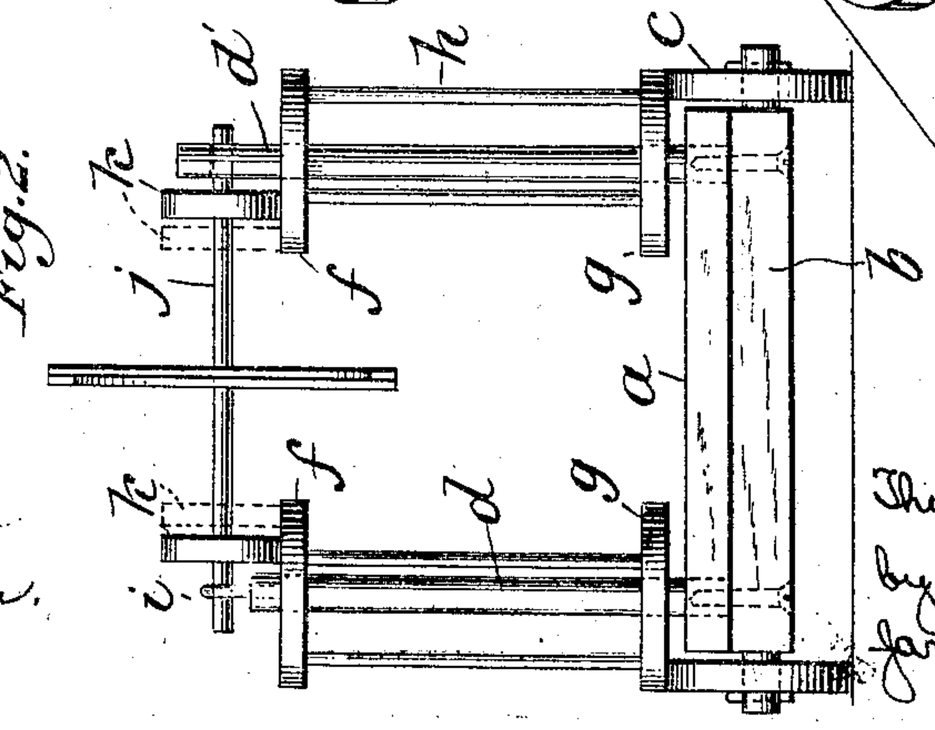


Fig. 2.



Witnesses:
Charles F. Stale
M. Hamilton.

Inventor:
Thomas F. Slater
by his attorney
James Hamilton

UNITED STATES PATENT OFFICE.

THOMAS F. SLATER, OF CHESTER, CONNECTICUT.

REVOLVING TOY.

No. 889,729. Specification of Letters Patent. Patented June 2, 1908.

Application filed October 2, 1907. Serial No. 395,628.

To all whom it may concern:

Be it known that I, THOMAS F. SLATER, a citizen of the United States, residing at Chester, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Revolving Toys, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in toys and particularly to toys in which the parts are made to revolve; and an object of my invention is to provide a toy of this character which will be simple in construction, cheap in manufacture and amusing to the class of persons for whom it is designed.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is a perspective view of my new toy; and Fig. 2 is an end view of the same.

To the bottom of the platform or baseboard *a* are secured two axles *b* upon the ends of which are mounted the wheels *c*. From the top of the platform *a* rise the posts *d*, *d'* upon each of which is rotatably mounted a drum or spool *e* having an upper disk *f* and a lower disk *g* connected by the rods *h*. The lower disk *g* of each spool *e* rests by its own weight upon one of the wheels *c*, so that when the wheel *c* revolves, due to the forward motion of the platform, the spool *e* is turned as shown by the arrow in Fig. 1. In the top of each of the two posts *d* is mounted a screw-eye *i*; and the top of each of the posts *d'* is slotted to receive one end of a shaft *j* the other end of which passes through the screw-eye *i* of the opposite post *d*. Upon the shaft *j* are mounted the rollers *k* each of which contacts with the upper disk *f* of one of the spools *e*. As the spool *e* rotates, the rotary motion is frictionally transmitted to the rollers *k*, whereby the shaft *j* is driven in the direction of the arrow in Fig. 1. At the center of each shaft *j* is mounted a pair of crossed arms or vanes *m*, the angle between which may be varied by turning either of the arms upon the shaft *j*. The end of the shaft *j* which rests in the slotted end of the post *d'* is held therein by a block *n*. As the toy is driven or pushed along the floor, the wheels *c* rotate, thereby driving the spools *e*, which in turn drive the shafts *j*, causing the arms *m* to rotate. The rollers or disks *k* may be moved along the shaft *j* to vary the distance of the roller from the post about which the drum *e* rotates and thereby to vary the speed of rotation of the shaft *j* for the same speed of the drum *e*.

The rollers *k* are held in adjusted position by the friction between them and the shaft *j*. By turning the screw-eyes *i*, the distance of the shafts *j* from the upper disks *f* may be varied and thereby the degree of friction may be changed between the disks *f* and rollers *k* and compensation may be made for wear, slight variations in size and the like, whereby positive rotation of the parts is secured.

I claim:

A toy consisting of a platform; wheels upon which the same is mounted; posts mounted upon said platform, one of said posts being provided with a screw-eye in its upper end and the other of said posts having its upper end slotted; drums rotatably mounted upon said posts; a transverse shaft one end of which is mounted in said screw-eye and the other end of which is mounted in the slotted end of one of said posts; and rollers mounted on said shafts; said drums being between said wheels and rollers and transmitting to the latter the rotary motion of the former.

In witness whereof I have hereunto set my hand at said Chester in the presence of the two undersigned witnesses this thirtieth day of September, A. D. 1907.

THOMAS F. SLATER.

Witnesses:
W. P. HOLDEN,
W. L. BATES.