

C. WEBER.
BANDILURE TOYS.

No. 179,377.

Patented June 27, 1876.

Fig. 1.

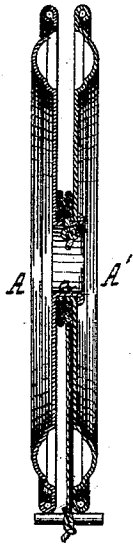


Fig. 2.

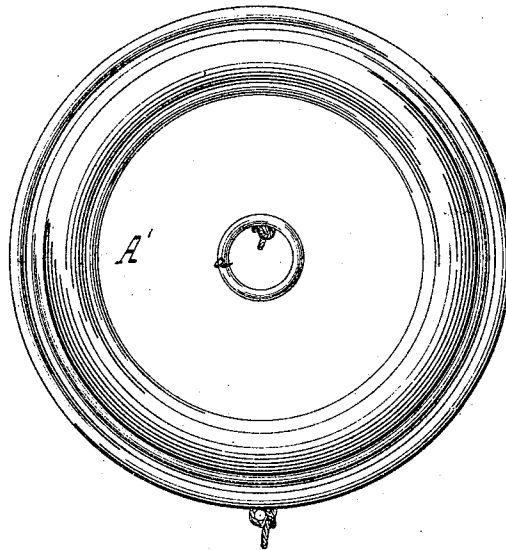
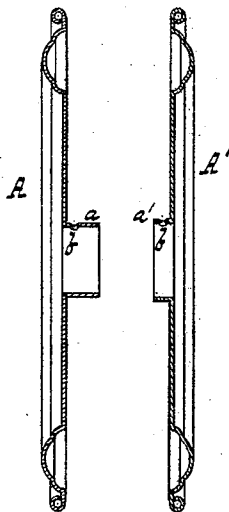


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES WEBER, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN BANDILURE TOYS.

Specification forming part of Letters Patent No. **179,377**, dated June 27, 1876; application filed April 21, 1876.

To all whom it may concern:

Be it known that I, CHARLES WEBER, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Revolving Toys, which invention is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a transverse section of my toy when completed. Fig. 2 is a face view of the same. Fig. 3 shows sectional views of the parts detached.

Similar letters indicate corresponding parts.

This invention relates to an improvement in that class of toys which are composed of two disks mounted on a common arbor, on which a cord is wound, and which, when properly manipulated, rise and fall, the cord being alternately unwound from the arbor and then again wound upon the same.

My improvement consists in the combination of two metallic disks, each of which is provided with a tubular hub, one of which fits into the other, so that, by means of said tubular hubs, the two disks can be readily united, and by these means the construction of a toy of the class above stated is materially facilitated.

In the drawing, the letters A A' designate two disks, each of which is provided with a tubular hub, *a* or *a'*, the hub *a* of the disk A being made to fit into the hub *a'* of the disk A', as shown in Fig. 1 of the drawing. Said disks, together with their hubs, may be made of sheet metal, and in this case they are stamped up by means of suitable dies; or the disks, with their nipples, may be cast of zinc or any other suitable metal. The hub *a* of the disk A is somewhat longer than the hub *a'*, so that when the two parts are united the outer edge of the hub *a'* bears against the inner surface of the disk A, while the end of the hub *a* projects beyond the outer surface of the disk A', and by turning the edge of the hub *a* outward the two disks are firmly united. If desired, however, the two hubs can be secured together by screw-threads or by any suitable means. When the disks A A' have been united, their hubs *a a'* form a tubular arbor, common to both disks. Both hubs *a a'* are

provided with holes *b*, which, when the disks have been united, coincide with each other, so that a cord can be drawn through the same, as shown in Fig. 1.

When the toy is to be set in motion, the cord is wound round the tubular arbor formed by hubs *a a'*, and by allowing the disks to drop the cord is unwound, while the disks acquire a rapid revolving motion. By giving to the cord a slight upward jerk at the moment, or rather just before, it has become unwound, the motion of the disks is reversed, causing them to rise on the cord and to rewind the same on the tubular arbor.

When the disks A A' are made of cast metal, they can be made of any desired weight, and my toy, in that case, serves not only as a means of amusement, but also for the purpose of strengthening the muscles of the hand, wrist, and arm.

I am aware that a spinning-toy has been constructed of two disks of metal, having on their outer sides a marginal rim or scroll, and having a central aperture, surrounded on the inner side of each disk by an indented annular boss, the indentations of one boss being adapted to receive the projections of the other boss, the two disks being held together by a rivet clinched in the central opening; and such construction I disclaim, as it is not my invention. By my invention I dispense with the employment of a rivet or screw for securing the disks together.

What I claim as new, and desire to secure by Letters Patent, is—

A revolving toy, consisting of two metallic disks, A A', each of which is constructed with a tubular hub, one of which hubs fits within the tubular portion of the other hub, for securing the disks together without the interposition of a rivet or screw, as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 14th day of April, 1876.

CHARLES WEBER. [L. S.]

Witnesses:

JOHN ANSCHÜTZ,
HENRI STEPHEN.