C. E. STELLER.

TOY WHIRLIGIGS.

No. 187,062. Patented Feb. 6, 1877.

Fig. 1

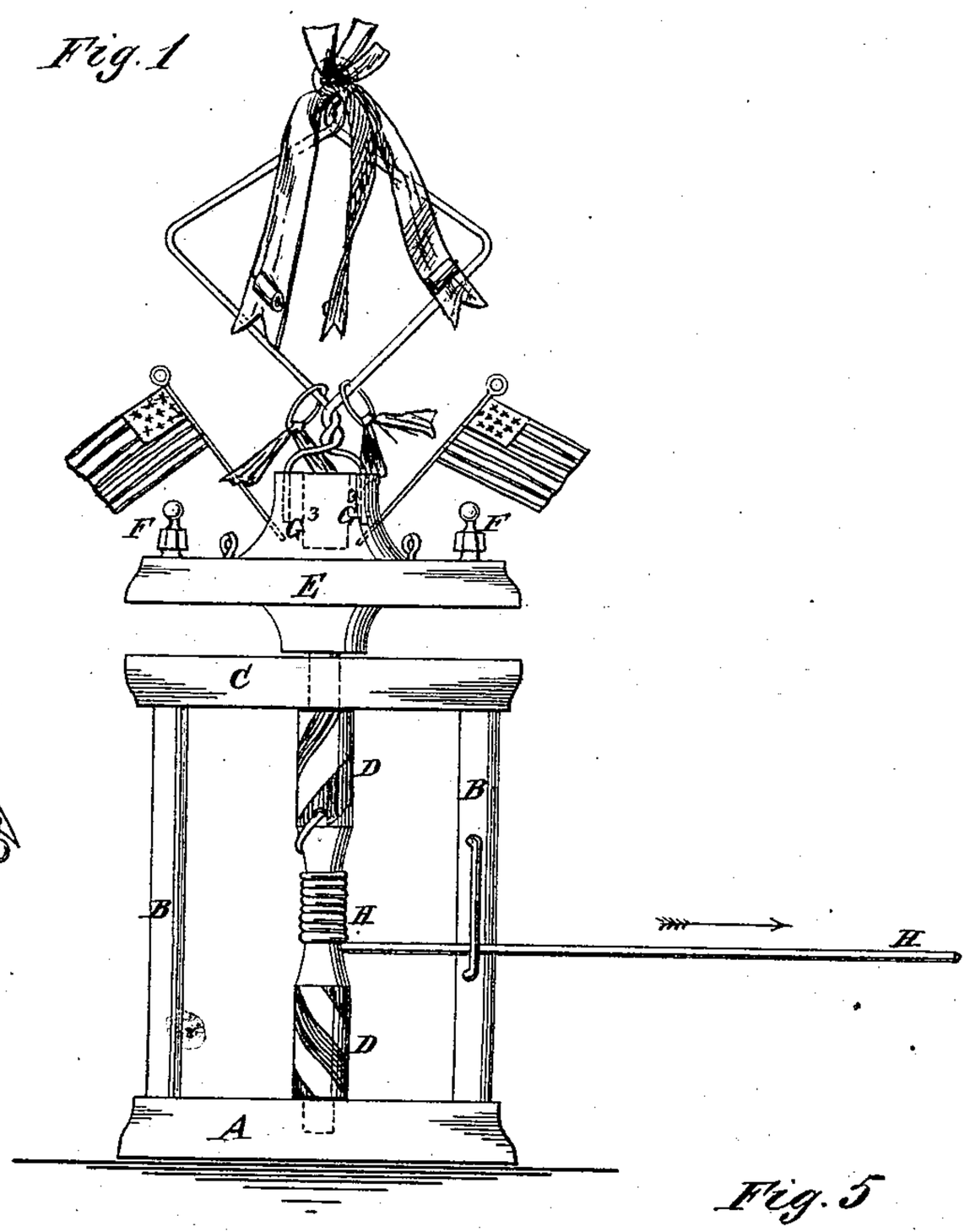


Fig. 3

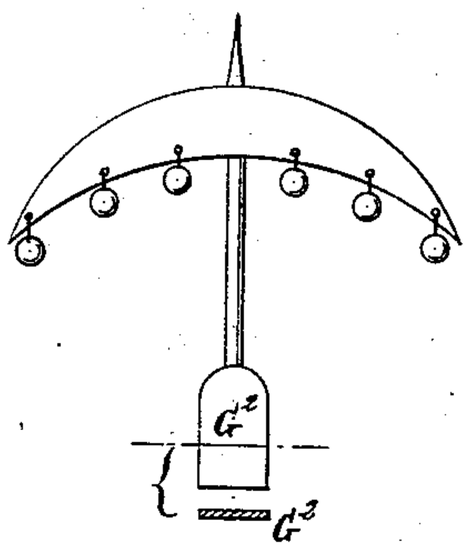


Fig. 4

Fig. 2

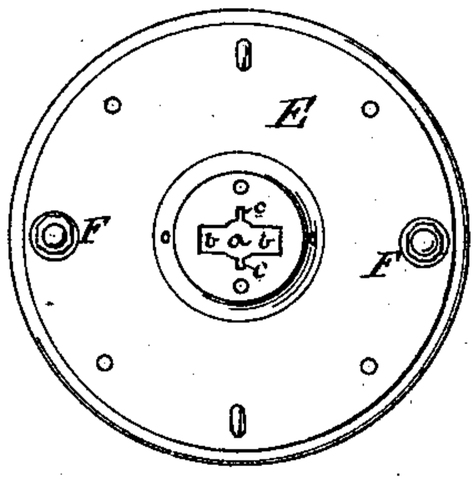


Fig. 5

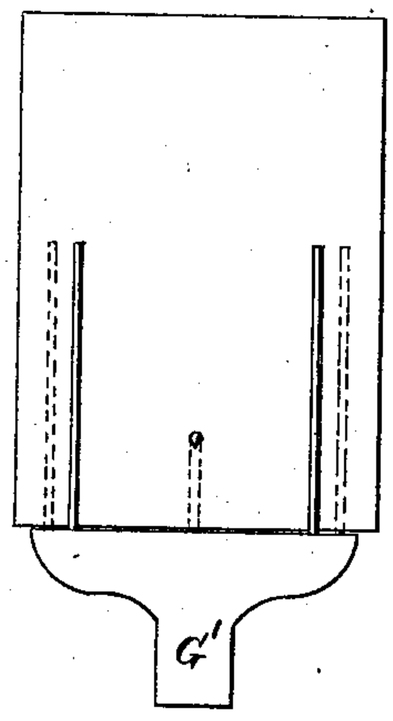
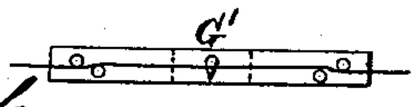


Fig. 6



WITNESSES:

A. W. Almquist

J. H. Scarborough

INVENTOR:

Chas. E. Steller

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES E. STELLER, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN TOY WHIRLIGIGS.

Specification forming part of Letters Patent No. **187,062**, dated February 6, 1877; application filed October 14, 1876.

To all whom it may concern:

Be it known that I, CHARLES E. STELLER, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Whirligigs, of which the following is a specification:

Figure **1** is a side view of my improved device arranged for use. Fig. 2 is a top view of the same, the upper part being removed. Fig. 3 shows another form for the upper part of the toy. Fig. 4 shows another form for the upper part of the toy. Fig. 5 shows another form for the upper part of the same. Fig. 6 is a top view of the parts shown in Fig. 5.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved toy, which shall be so constructed as to give a rapid rotary motion, first in one direction and then in the other, to objects placed upon the revolving table or disks, to cause said objects to represent various beautiful and fanciful forms.

The invention consists of a stand in which is mounted a rotating table adapted to receive different-shaped ornaments, as will be hereinafter more fully described, and then pointed out in the claims.

A represents the base of the toy, to which, near its edge and upon the opposite sides of its center, are attached the lower ends of two posts, B. To the upper ends of the two posts B is attached a disk, C. In a socket in the center of the base A revolves the lower end of a vertical shaft, D, the upper end of which passes through and revolves in a hole in the center of the disk C. To the upper end of the shaft D, above the disk C, is attached a table or disk, E, so as to be carried around by and with the shaft D, and to the upper side of which may be permanently attached various ornaments F. The table E is made with a hub projecting above and below it. In the center of the upper end of the hub of the table E is formed a round hole, *a*, to receive a round foot, G, of an ornament, as shown in Fig. 4. In the opposite sides of the round hole are formed wide rectangular grooves *b*, to form a rectangular socket to receive a rectangular foot, G^1, as shown in Figs. 5 and 6. In the opposite sides of the round hole or socket, and midway between the wide grooves, are formed narrow grooves *c*, to receive a thin or sheet metal foot, G^2, of an ornament, as shown in Fig. 3. In the top of the hub, upon the opposite sides of the round hole or socket, and in line with the narrow grooves, are formed round holes, to receive the ends of the arms of a wire foot, G^3, of an ornament, as shown in Fig. 1. In the sides of the upper end of the hub of the table E are formed inclined holes, to receive small flags or other ornaments, and in the upper side of the said table are formed a number of small holes, to receive flags or other small ornaments.

With this construction, when the ornaments are ornamented with bright colors and the shaft D and table E are revolved rapidly, a very pleasing and beautiful effect will be produced; and said ornaments may be so formed that, when revolved rapidly, the said ornaments may seem to assume various fanciful shapes.

The device shown in Fig. 5 is a holder for cards, which, when ornamented with pictures or other bright colors and revolved rapidly, will have a beautiful appearance. In this case the card is kept from being thrown off by the centrifugal force engendered by a hook attached to the base of the holder, and the sharp point of which penetrates the said card.

The middle part of the vertical shaft D is turned down to form a spool, to which is attached and around which is wound a cord, H. The outer end of the cord H passes through a keeper attached to one of the posts B.

By this construction, by pulling briskly upon the cord H to unwind it from the shaft D a rapid rotation will be given to the shaft D and table E, the momentum of which will be sufficient to again wind up the cord in the opposite direction, so that by alternately pulling upon the cord H and slacking it the table E and the objects attached to it will be rotated rapidly, first in one direction and then in the other.

Ornaments or objects of any desired form may be used, provided their feet are of such a form as to fit into one or the other of the sockets in the hub of the table E.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the stand A B C, the pivoted shaft D, the rotating table E, provided with the sockets and holes to receive detachable objects, and the cord H, substantially as herein shown and described.

2. The revolving table E, having the round central socket *a*, rectangular socket *b*, passing one way through the round one, and the narrow rectangular socket *c*, crossing the two other sockets, for receiving detachable ornaments having different-shaped feet, as and for the purpose specified.

3. In combination with the stand, pivoted shaft, and rotating table, substantially as specified, the detachable ornament or figure provided with a round foot, G, as and for the purpose set forth.

4. In combination with the stand, pivoted shaft, and rotating table, the detachable ornament or figure having a rectangular foot, G^1 or G^2, fitting into a corresponding socket in the table, as herein set forth.

CHARLES E. STELLER.

Witnesses:

JAMES T. GRAHAM,

C. SEDGWICK.