(No Model.)

C. F. SHOURDS.

TOY.

No. 288,265. Patented Nov. 13, 1883.

Fig 1

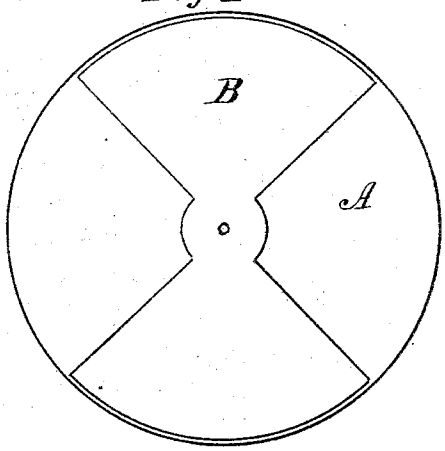


Fig 2

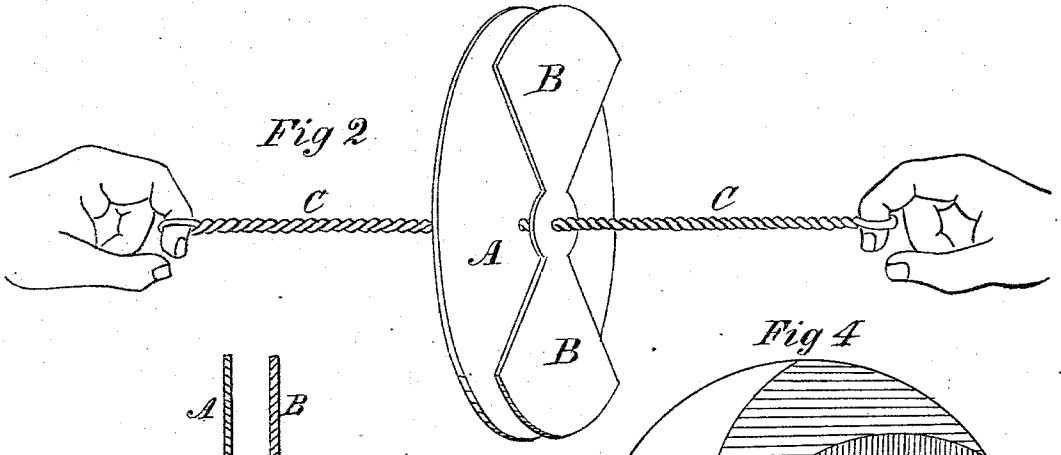


Fig 3

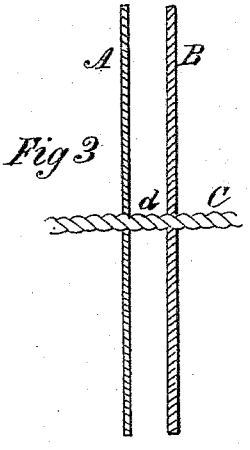
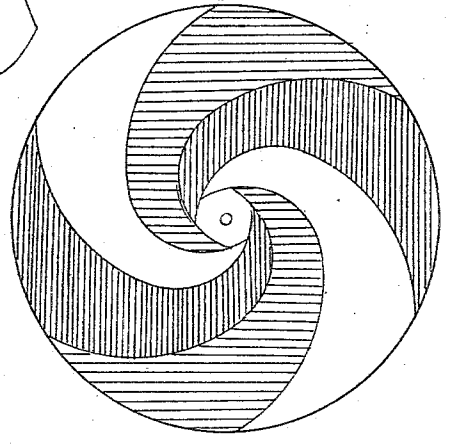


Fig 4



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES F. SHOURDS, OF NEWARK, NEW JERSEY.

TOY.

SPECIFICATION forming part of Letters Patent No. 288,265, dated November 13, 1883.

Application filed March 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. SHOURDS, a citizen of the United States, residing at Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Toys, (described in my application dated December 23, 1882,) of which improvements the following is a clear and concise description.

In said application said toy is a device for the production of various colors by a disk rotated by the torsion of a string or strings.

My improvement consists in a method of simplifying the means by which this result is attained.

In the annexed drawings, A in Figure 1 represents a disk, and B a screen or shield, both disk A and screen or shield B being operated by the string or strings C C, as shown in Fig. 2.

Fig. 2 shows the operation of disk A and screen or shield B by the torsion of string or strings C C.

Fig. 3 represents a sectional view, showing the arrangement of disk A and screen or shield B upon the string or strings C C.

Fig. 4 represents the disk A, merely showing an arrangement of colors upon its surface.

The operation of the toy as shown in Fig. 2 is as follows: The colored disk A being secured to the string or strings C C and being rotated by the torsion of the same, and the screen or shield B being also secured to said string or strings, in position as shown in Fig. 3, tends to produce various combinations of colors by the exposure, during the rotation of the disk A and screen or shield B, of varying parts of the colored disk A through the gradual changing of the relative positions of the disk A and screen or shield B by the twisting of that part of the string or strings between said disk and screen, as also shown in Fig. 3.

Having fully described my invention, what I desire to claim and secure by Letters Patent is—

1. The screen or shield B, secured to the string or strings C C, in combination with disk A.

2. The securing of the gradual changing of the relative positions of the screen and shield B during the rotation of the same by the twisting of the part of the string between the disk A and screen or shield B.

CHAS. F. SHOURDS.

Witnesses:
F. W. LEONARD,
F. M. MCDERMIT.