Oct. 23, 1928. 1,689,010

M. COHN

WHEELED WIND TOY

Filed Jan. 7, 1928

Fig. 1

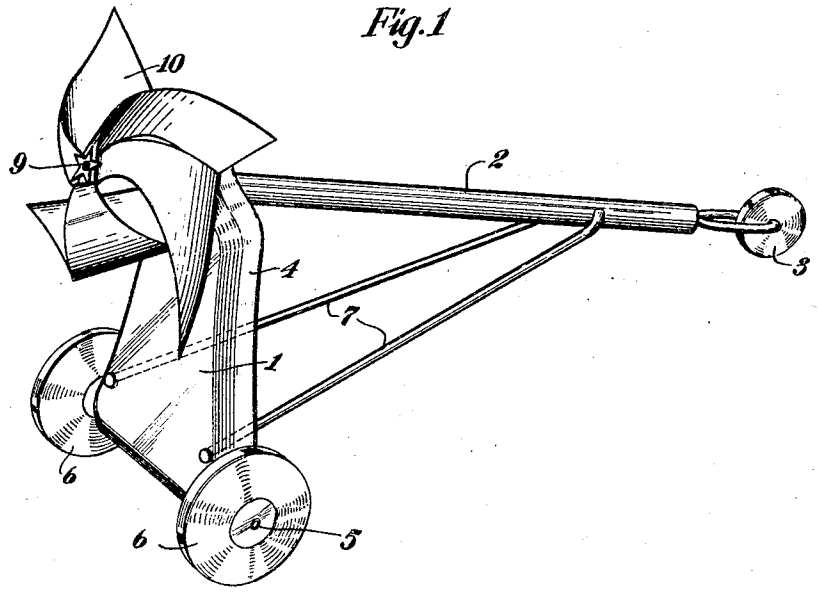
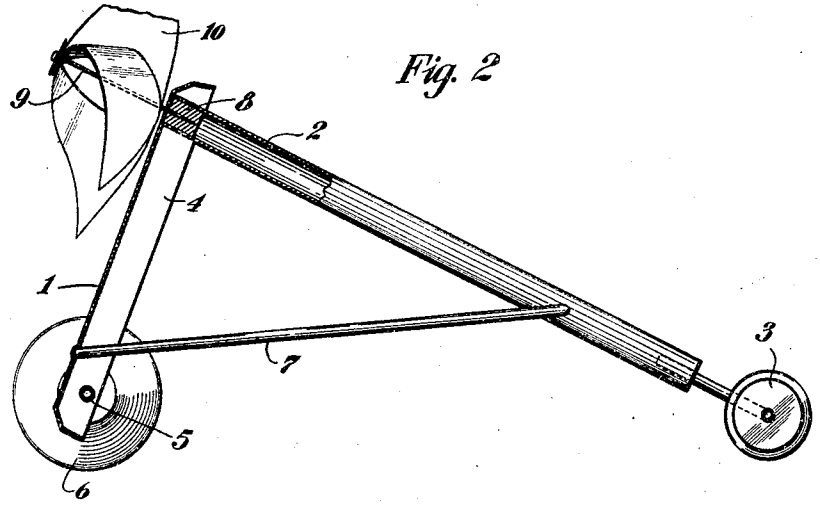


Fig. 2



INVENTOR

Mary Cohn

BY A. Lee Helms

ATTORNEY

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MARY COHN, OF NEW YORK, N. Y.

WHEELED WIND TOY.

Application filed January 7, 1928. Serial No. 245,216.

The object of the present invention is to provide a wind toy incorporating a propeller and a wind receiving and deflecting plate made of celluloid or the like which can be operated out-of-doors on the ground by light breezes which move the device and at the same time rotate the propeller. The device can also be used indoors by pulling or pushing the same, the movement thereof, relative to the air, rotating the light propeller, the action of the air upon the propeller being aided upon the deflecting plate.

The invention will be understood with reference to the accompanying drawing, in which—

Figure 1 is a perspective view of a modification of the invention, and

Figure 2 is a side elevation, partly in section.

The device, being designed for both outdoor and indoor use is, for the latter purpose, particularly constructed so that relative slow movement by a child pulling or pushing the same will so act upon the air as to cause rotation of the propeller. To this end the device consists of a deflecting plate 1 made of light celluloid or celluloid material and cemented or otherwise held at its top to a tubular rearwardly extending support 2, which at its end may carry a roller or rollers such as the member 3. A celluloid rod, of small diameter, may pass through an aperture in wheel 3 and be bent so that its ends lie parallel, the ends being passed into the hollow tube 2 and cemented or otherwise held securely in position.

Deflecting plate 1 is flanged at 4. The base of the flange is apertured to receive a light axle 5 which carries the wheels 6. Each of these wheels may be formed of celluloid, and preferably by making two flanged disks, one slightly smaller than the other, the two interfitting and being cemented together as shown more particularly in Figure 2. Held rigidly near the base of the deflecting plate 1 are the legs 7 of a U-shaped supporting member which passes through tubular support 2. Member 7 may be a light celluloid rod.

Tubular member 2 may be plugged at its end by a wooden or other plug 8 so as to support a pin 9 forming an axle support for a propeller 10. It will be seen that the blades of the propeller lie directly in front of the deflecting plate. Thus when the device is pulled or pushed forwardly in a room, the slight disturbance to the air afforded by deflecting plate 1 will augment the effect of the air upon the propeller blades and with the result that the propeller will be rotated notwithstanding the movement is slow. The propeller being preferably made of celluloid is light, and there is very little friction upon the pin 9.

When the device is placed outdoors on a supporting surface, light breezes will act upon plate 1 to propel the device and such breezes, assisted by the plate 1, will act upon the propeller to rotate the same.

Various modifications may be made in the form and arrangement of the device without departing from the spirit of the invention, what I claim and desire to secure by Letters Patent being as follows:—

1. A wind toy comprising a light wind receiving and deflecting plate, a wheel adapted to support the plate at its base, a tubular rearwardly extending support, a wheel carried by said support at its lower end, a strut member extending from the lower end of the tubular support and connecting the latter with the plate, a light propeller, and a shaft for said propeller extending through the plate and supported thereby, as and for the purpose set forth.

2. A wind toy comprising a wind receiving and deflecting plate, wheels carried by the plate at its lower end, a tubular supporting member extending from the top of the plate downwardly, a wheel, a rod extending through the wheel and its ends brought in substantially parallel relationship and thence extending within the tubular supporting member, a second rod extending through the tubular supporting member and having its ends brought into contact with the plate and secured thereto, a plug for the upper end of the tubular member, a pin extending through the plate and into the plug, and a light propeller carried by the pin.

In testimony whereof I have signed my name to this specification.

MARY COHN.