

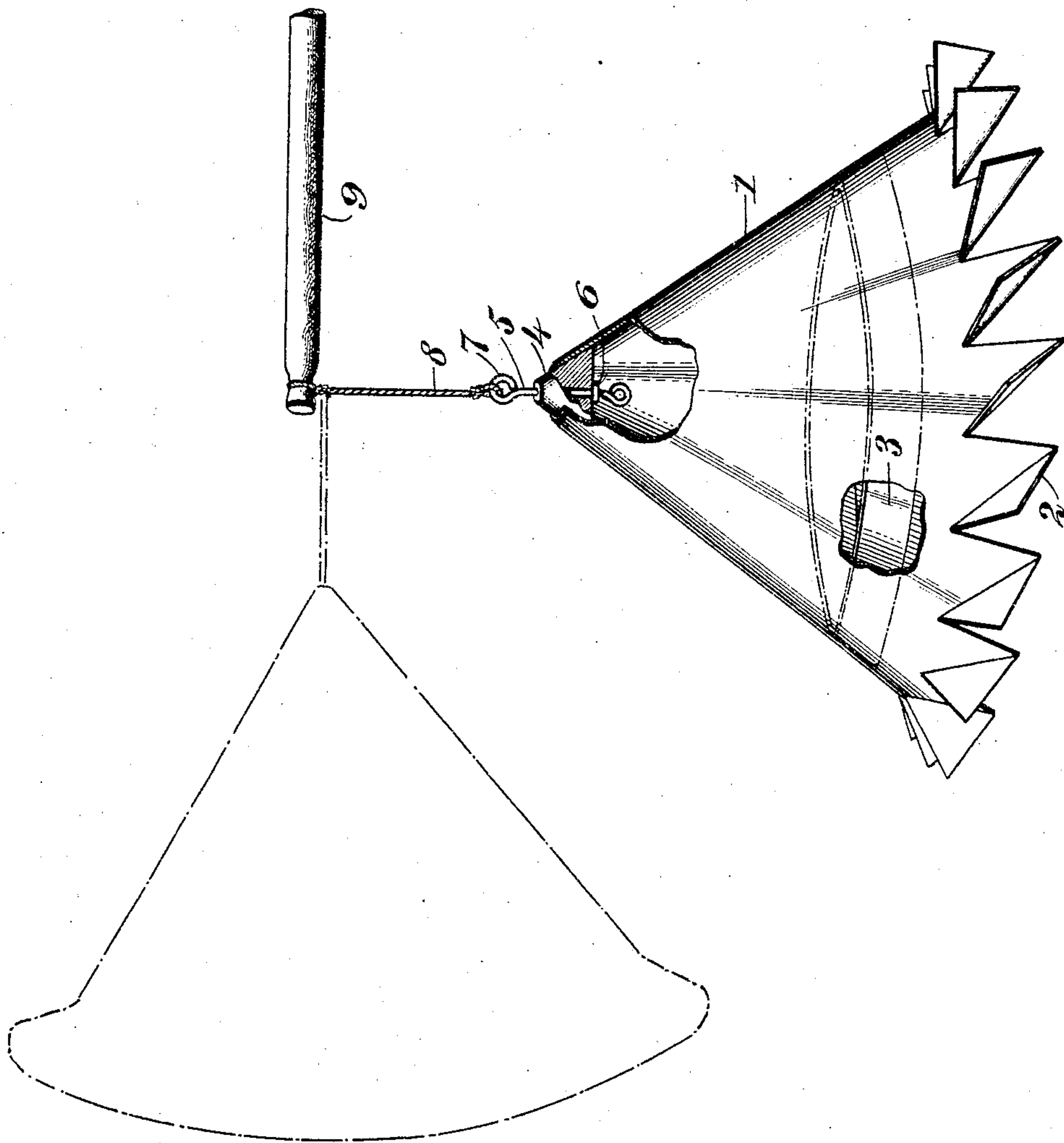
No. 771,705.

PATENTED OCT. 4, 1904.

S. BRISTOW.  
WHIRLING TOY.

APPLICATION FILED OCT. 10, 1903.

NO MODEL.



WITNESSES:

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BY

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## UNITED STATES PATENT OFFICE.

SAMUEL BRISTOW, OF TOPEKA, KANSAS.

## WHIRLING TOY.

SPECIFICATION forming part of Letters Patent No. 771,705, dated October 4, 1904.

Application filed October 10, 1903. Serial No. 176,525. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL BRISTOW, a citizen of the United States, and a resident of Topeka, in the county of Shawnee and State of Kansas, have invented a new and Improved Whirling Toy, of which the following is a full, clear, and exact description.

This invention relates to improvements in toys adapted to be rotated by wind or air pressure, an object being to provide a toy of this character that will be simple in construction and cheap and that by rapidly rotating by wind-pressure or by pressure of air when drawn through the same will afford amusement and will also be adapted for advertising purposes.

While I have styled the device as a "toy," it is practically a windmill.

I will describe a whirling toy embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawing, forming a part of this specification, in which the figure is a side elevation of a whirling toy embodying my invention with a portion of the body broken away to more clearly show the interior parts.

The device comprises a conical or tapered body 1 of paper or other light and thin material, and at the base edge of the body there are vanes 2, which extend outward with relation to the axis of the body and have their flat surfaces or planes circumferentially of the body arranged at an acute angle transversely of the axis of the body. To stiffen the body, I secure to the inner side thereof a band 3 of stiff paper or the like.

Secured in the apex or point of the body is a block 4 of light wood or other suitable material, and this block is perforated to receive a swiveled rod 5, which at its inner end has a collar 6, against which the under or inner side of the block 4 engages. At its outer end the rod 5 is provided with an eye 7 for connection with a cord 8, designed to be engaged with a rod 9.

While I have shown the body of the device as conical, it is to be understood that it may be made angular in its circumference, providing, of course, that the wall be tapered.

In the operation when the device is held in a wind it will be forced outward, substantially as shown in the dotted lines in the drawing, and the wind passing along the outer side of the body will impinge against the vanes 2, causing the body to rapidly rotate. The shape of the body causes the wind-pressure to be equally distributed around the axis of the instrument. When there is little or no wind, the device may be caused to rotate by drawing it through the air, and when used in a wind the cord 8 will permit the device to swing around to present its point or apex to the wind.

It will be understood that an instrument of the character described must be light enough to permit the wind to lift it to a horizontal position, and the cone-shaped body not only furnishes the necessary surface to catch and direct the air, but at the same time it gives the required strength with little weight.

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

A whirling toy comprising a tapered body having vanes around its base edge, the said vanes being extended outward with relation to the axis of the body and having their flat surfaces or planes, circumferentially of the body, arranged at an acute angle transversely of the axis of the body, and a cord attached to the apex of the body.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL BRISTOW.

Witnesses:

W. C. McCLAIN,  
C. A. MOORE.