

No. 742,032.

PATENTED OCT. 20, 1903.

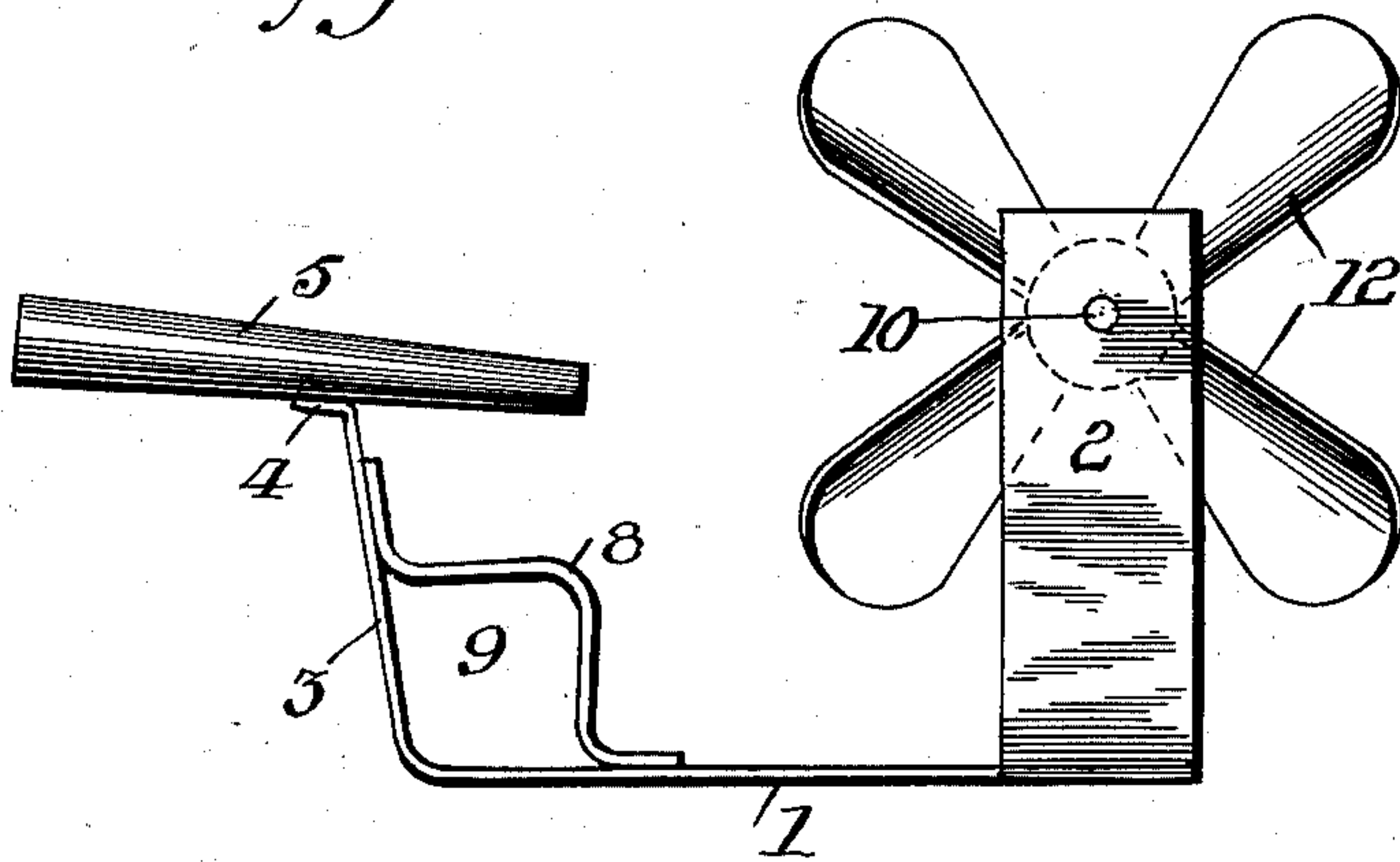
H. JOHNSON.

TOY.

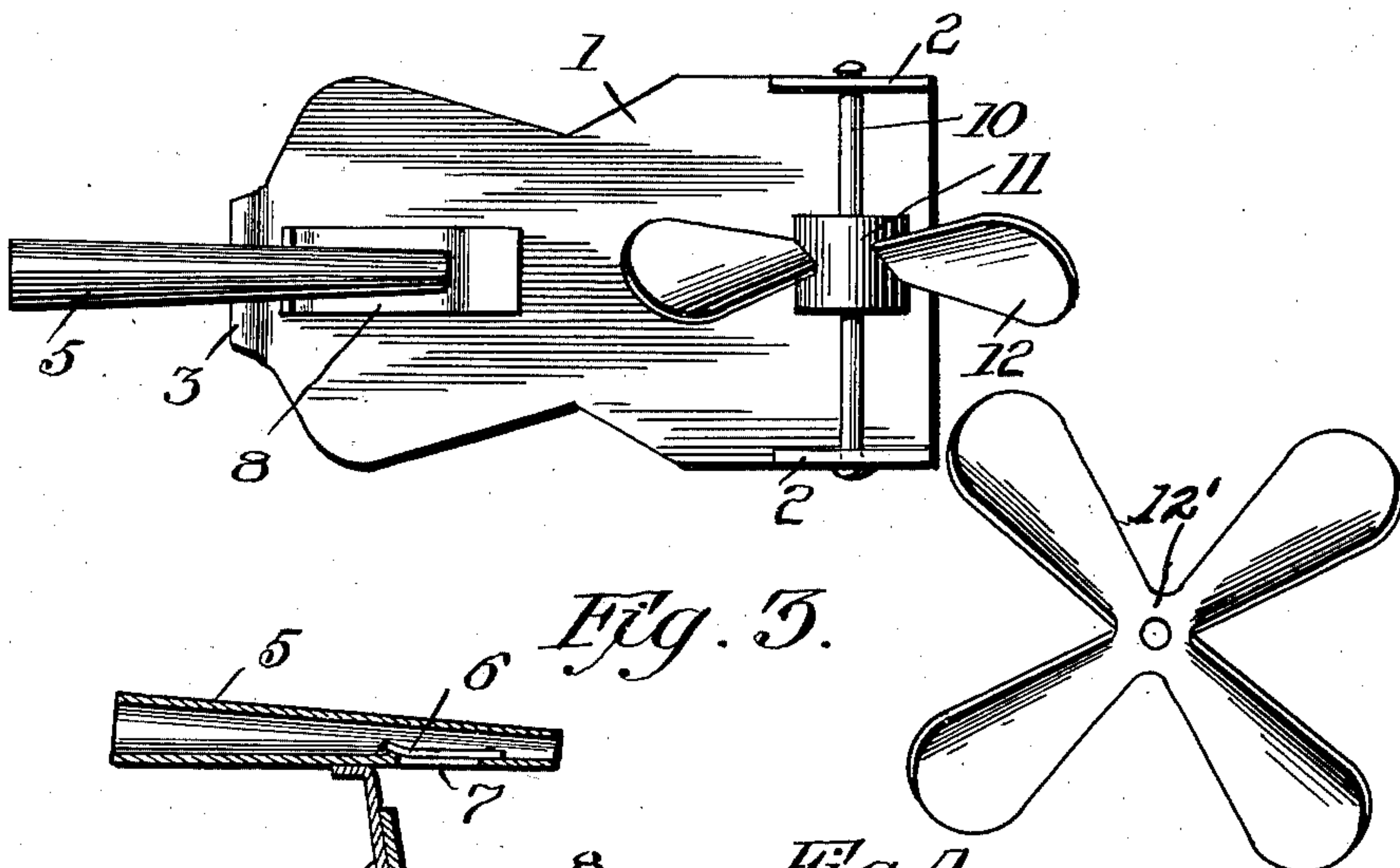
APPLICATION FILED JULY 18, 1903.

NO MODEL.

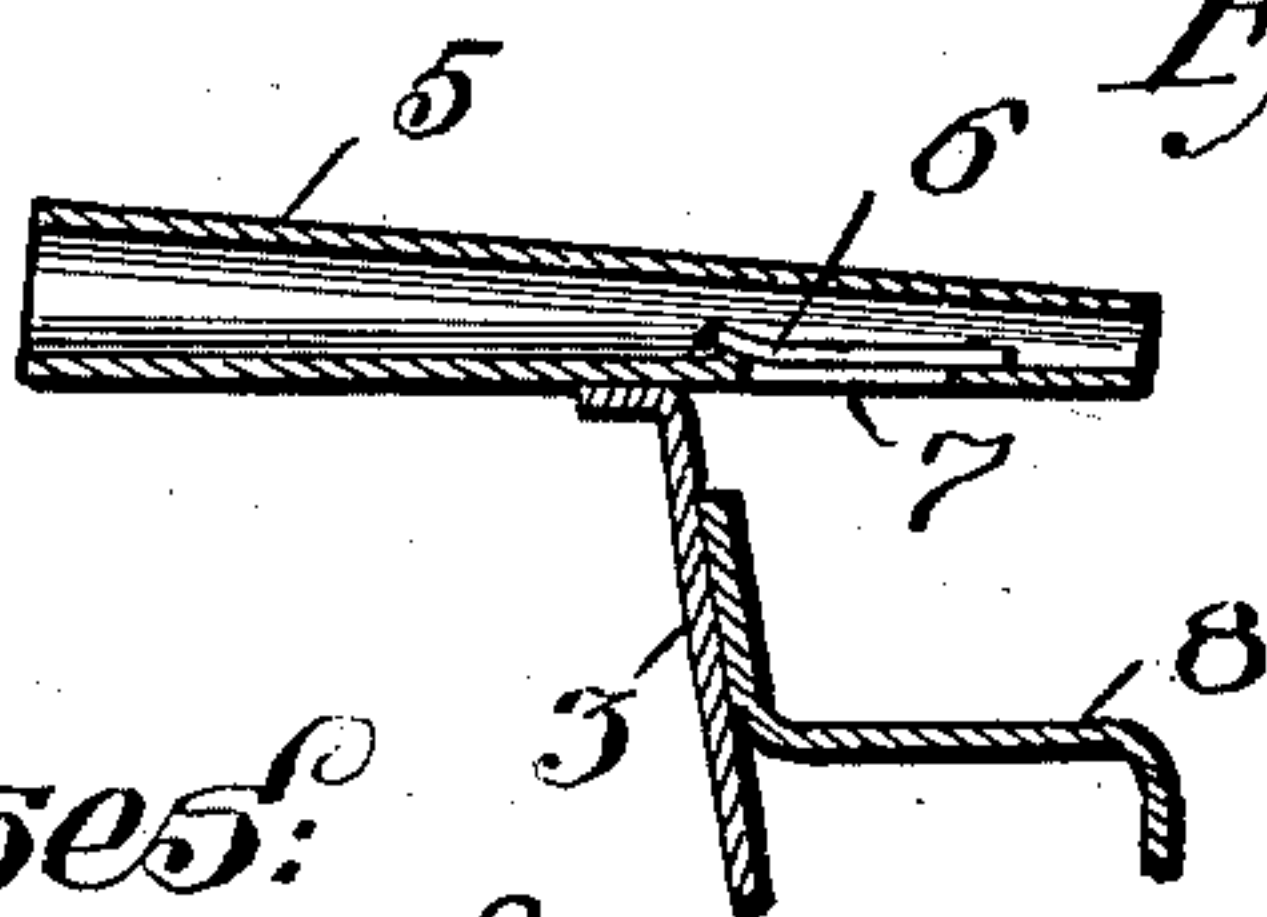
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

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# UNITED STATES PATENT OFFICE.

HJALMAR JOHNSON, OF PITTSBURG, PENNSYLVANIA.

## TOY.

SPECIFICATION forming part of Letters Patent No. 742,032, dated October 20, 1903.

Application filed July 18, 1903. Serial No. 166,169. (No model.)

*To all whom it may concern:*

Be it known that I, HJALMAR JOHNSON, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in toys, and relates more particularly to a toy wind-wheel in which a wind-wheel is mounted so as to receive a blast of air blown through a supported tube, in which latter is a reed or other sounding object, whereby to emit either a musical or other sound simultaneously with the rotating of the wind-wheel.

Briefly described, the invention comprises a base which carries supporting-standards formed integral therewith, the base of the standards in practice being preferably stamped out of a single piece of sheet metal or other desirable material. In the two standards at the forward end of the base is journaled a shaft which carries a wind-wheel, the blades or vanes of which are alternately disposed, and on the standard at the back of the base is supported a tube, so positioned as to discharge the wind into contact with the blades or vanes of the wind-wheel, and in this tube is provided the sound-emitting device, whereby the sound is produced simultaneously with the rotating of the wheel. The blades or vanes of the wheel may be multi-colored in order to give a novel appearance to the wheel while rotating, and the base carries a strap, in under which the finger of the person is to be inserted, whereby to more conveniently hold the toy while using the same.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claim, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the views, in which—

Figure 1 is a side elevation of my improved toy. Fig. 2 is a top plan view of the same.

Fig. 3 is a sectional view of the blow-tube and a part of the support. Fig. 4 is a detached plan view of the preferred form of wind-wheel.

To put my invention into practice, I provide the supporting-base 1, provided on each side adjacent its forward end with upwardly-extending standards 2 and at its rear end with upwardly-extending standard 3, which latter standard may be slightly inclined to the vertical and has its upper end bent over to form a ledge or shelf 4, on which the tapering or somewhat conical blow-tube 5 is secured in any suitable manner. The ledge or shelf 4 is positioned at a slight incline to the horizontal in order to give the blow-tube the same inclination, whereby to cause the air discharged from the tube to strike the blades or vanes of the wind-wheel at the proper point. In the blow-tube 5 is provided the reed 6 of the usual form of construction, the tube having a slot 7 underneath said reed in order to produce a sound in the usual manner. It will of course be evident that other sound-emitting devices than a reed could be used, if desired.

Connected to the upwardly-extending standard 3 and the upper face of the base-plate 1 is a strap 8, as best seen in Fig. 1, which, together with the standard 3 and the base 1, forms an opening or eye 9, through which the finger of the person may be inserted in order to conveniently hold the toy.

The base-plate and standards are preferably made from a single piece of sheet metal or other material having the desired strength, the standards being integral with the base-plate and the whole being stamped out at one operation of a press, die, or other like device.

In the standards 2 is journaled the shaft 10, and centrally mounted on this shaft is the hub 11 of the wind-wheel, the blades or vanes 12 of which are alternately set, whereby to present their surfaces in proper position as they rotate to receive the impact of the air emitted from the discharge end of the blow-tube 5. The blades or vanes in practice are sometimes made of different colors, whereby to cause the wheel to present a novel appearance during its rotation, and in practice I preferably mount the hub of the wheel rigidly on the shaft 10, journaling the shaft for rotation in the standards, though it will be ap-



parent that the shaft may be made rigid in the standards and the wheel mounted for rotation on the shaft.

5 In Fig. 4 I show the wind-wheel 12' in its preferred form of construction, in which it is stamped from a piece of metal or other suitable material. This construction is the cheaper and is preferred by me for this reason. When so made, the wheel may be se-  
10 curely held in position on the shaft in any desired manner.

While I have herein shown and described the invention in detail, it will be obvious that various changes may be made in the details  
15 of construction without departing from the general spirit of my invention.

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

A device of the character set forth comprising a base, a pair of integral oppositely-  
disposed standards carrying a shaft, an in-  
clined standard formed on the base at the  
rear end thereof having a flattened portion  
thereon, a strap forming a handle secured to  
25 the base and said last-named standard, a  
blow-tube having a pivoted plate for emitting  
a sound mounted over an opening therein,  
said plate being carried by the rear standard,  
and a wind-wheel mounted opposite thereto  
30 on said shaft, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

HJALMAR JOHNSON.

Witnesses:

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E. E. POTTER.