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J. SKIBINSKI

1,777,703

TOY

Filed Aug. 23, 1928

FIG. 1.

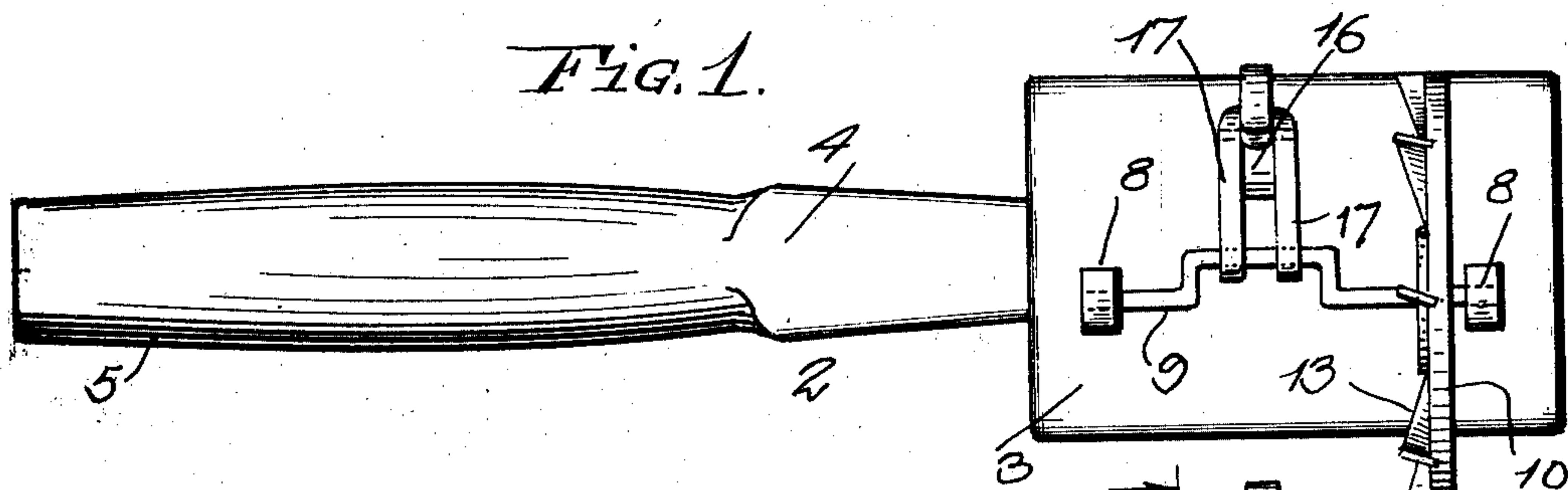


FIG. 2.

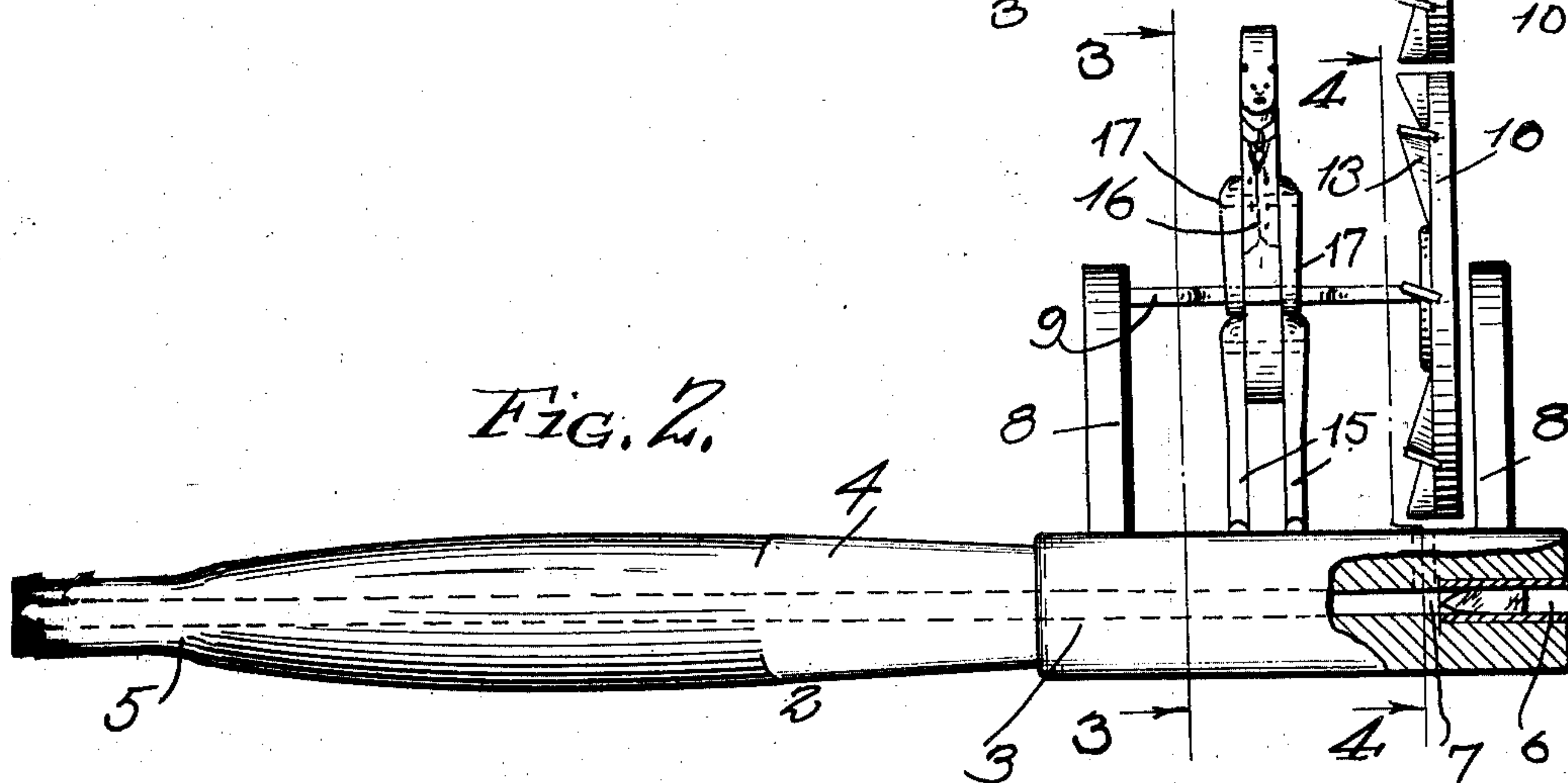


FIG. 3.

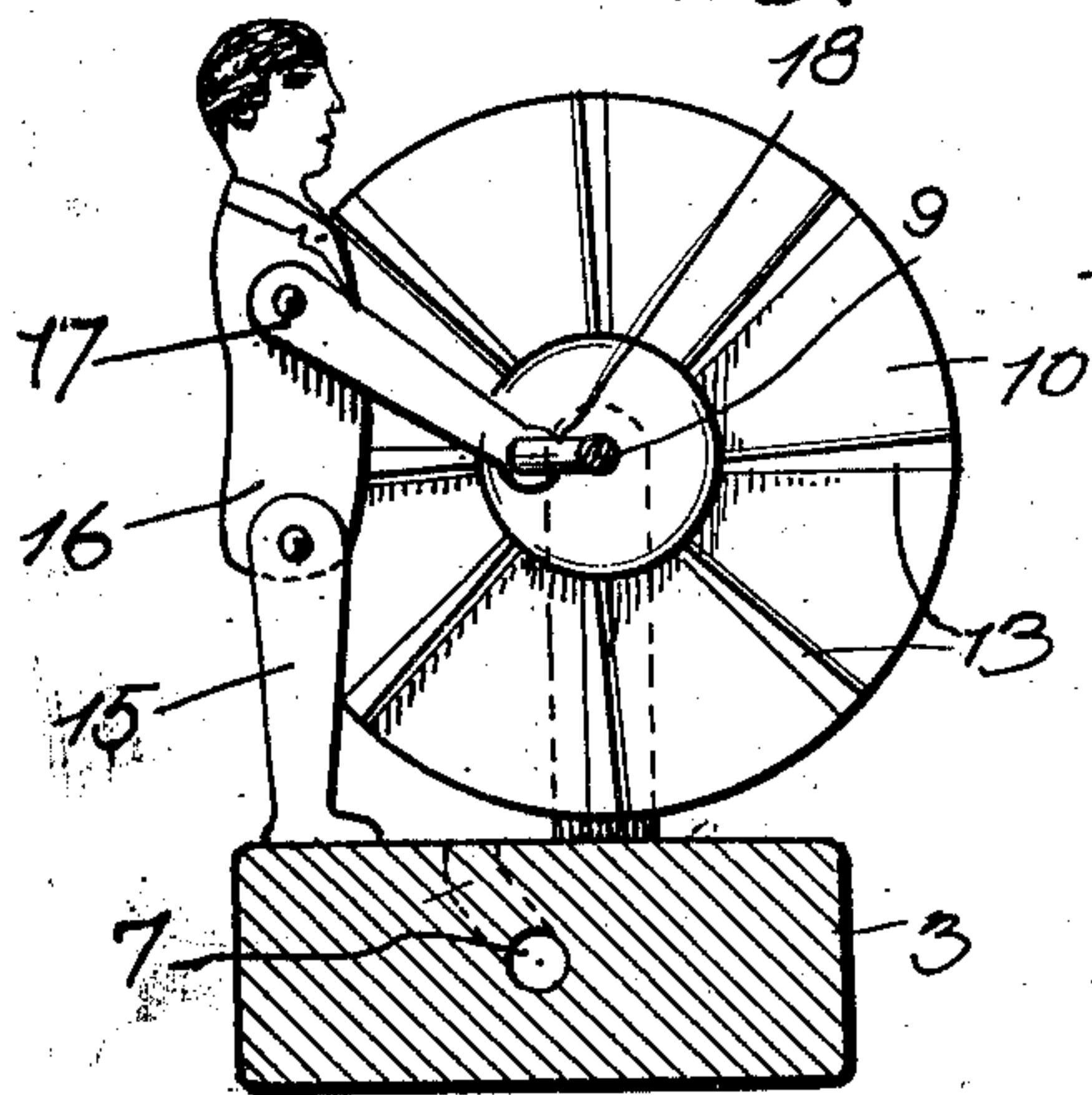
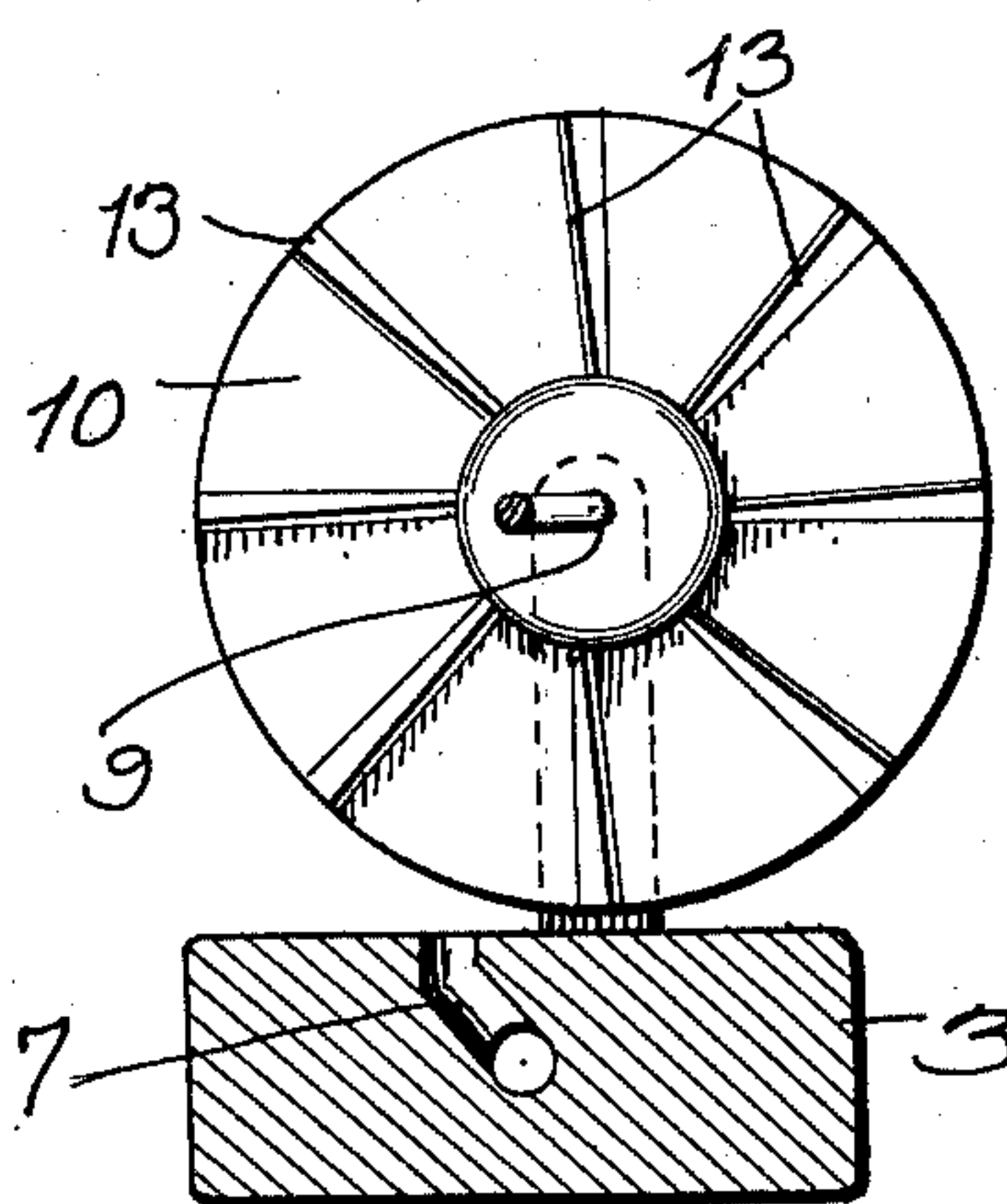


FIG. 4.



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## UNITED STATES PATENT OFFICE

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## TOY

Application filed August 23, 1928. Serial No. 301,475.

This invention has relation to mechanical toys of that character in which a human figure is constructed and arranged so as to appear to simulate in its motions certain interesting and instructive work, and particularly to that class in which the movement of the figure produced by a current of air blown by a child through a tube is associated with a whistle so as to impart to the toy the combined interesting and amusing effects of both motion and sound.

The present invention consists in the novel construction of a toy, comprising a pipe or tube through which a current of air may be blown from the mouth of a child and which is provided with a whistle aperture and lip at its outer end, and further comprising a radially vaned wind wheel mounted on a crank shaft and operatively connected to the arms of a figure, said wheel being so located as to be acted on and rotated by a current of air blown through a branch opening, in the whistle tube, whereby when the wheel is so rotated the arms of the figure will follow the motions of the crank shaft and be caused to simulate the body movements of a figure actually turning the shaft instead of being operated by the movements of the shaft.

In the accompanying drawing illustrating a preferred construction embodying my invention—

Figure 1 is a plan or top view of the toy; Figure 2 is a side view; and

Figures 3 and 4 are sectional views on lines 3—3 and 4—4, respectively of Figure 2.

The numeral 2 designates the body of the toy comprising the block or platform 3 having the pipe 4 extending therefrom and terminating in a mouth piece 5. The bore of the pipe 4 is continued through the block 3 and is open at its outer end, the opening 6 being shaped as the reed or vibratory part of an ordinary whistle, to be sounded by the current of air blown through the tube. An additional air port 7 or outlet is formed in the block 3 laterally of the bore and having an outlet at the surface of the block 3, so that part of the air blown through the pipe will be deflected and escape as a jet from said outlet.

Mounted on the block 3 are the two standards 8, 8 at the upper ends of which a horizontal crank shaft 9 is mounted so as to turn very freely, and mounted on this shaft is a wind wheel composed of the circular disk 10 and the radial vanes 13. The standards and wheel are so arranged that the jet proceeding from the port 7 will strike the vanes and cause the wheel to turn with more or less rapidity, in an opposite direction to that of the air jet.

The figure, representing a man or body consists of the legs 15, 15 rigidly mounted on the block 3, the trunk or body portion 16 jointed to the legs, and the arms 17 jointed to the trunk and having hands 18 pivotally attached to the crank of the shaft.

As will be seen when the pipe is blown through it will emit a whistling sound, and at the same time the wind wheel will be rotated thus causing the arms to follow the rotation of the crank and the body of the figure to sway to and fro in substantially the same manner as would be swayed the body of a man or boy in the act of turning a shaft by means of a crank.

What I claim as new is:—

A toy comprising a platform, standards on said platform, a crank shaft supported by said standards, a jointed figure representing a man standing on said platform between said standards and having its arms coupled to the crank as in the act of rotating said shaft, a wind wheel mounted on said shaft and rotatable therewith, said wheel having radially disposed vanes, an air passage in said platform below and opening at the surface of the block, said passage being arranged and adapted to direct a blast of air therethrough against said vanes to rotate the wheel, a blow pipe attached to the platform, a passage through said block in alignment with the bore of the pipe, and communicating with the first named passage and a whistle at the outlet end of the aligned passage through the block.

In testimony whereof I affix my signature.

JOZEF SKIBINSKI.