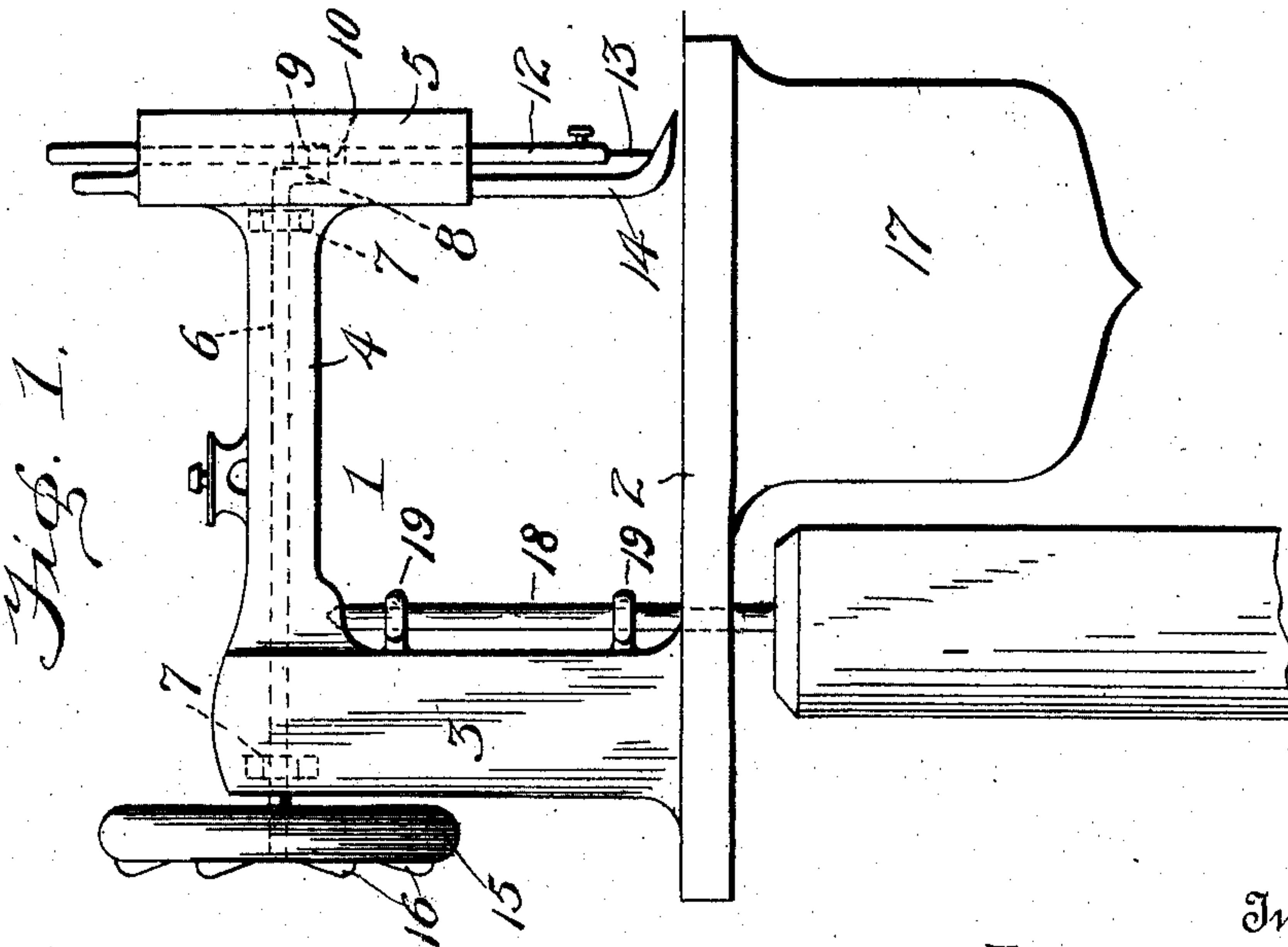
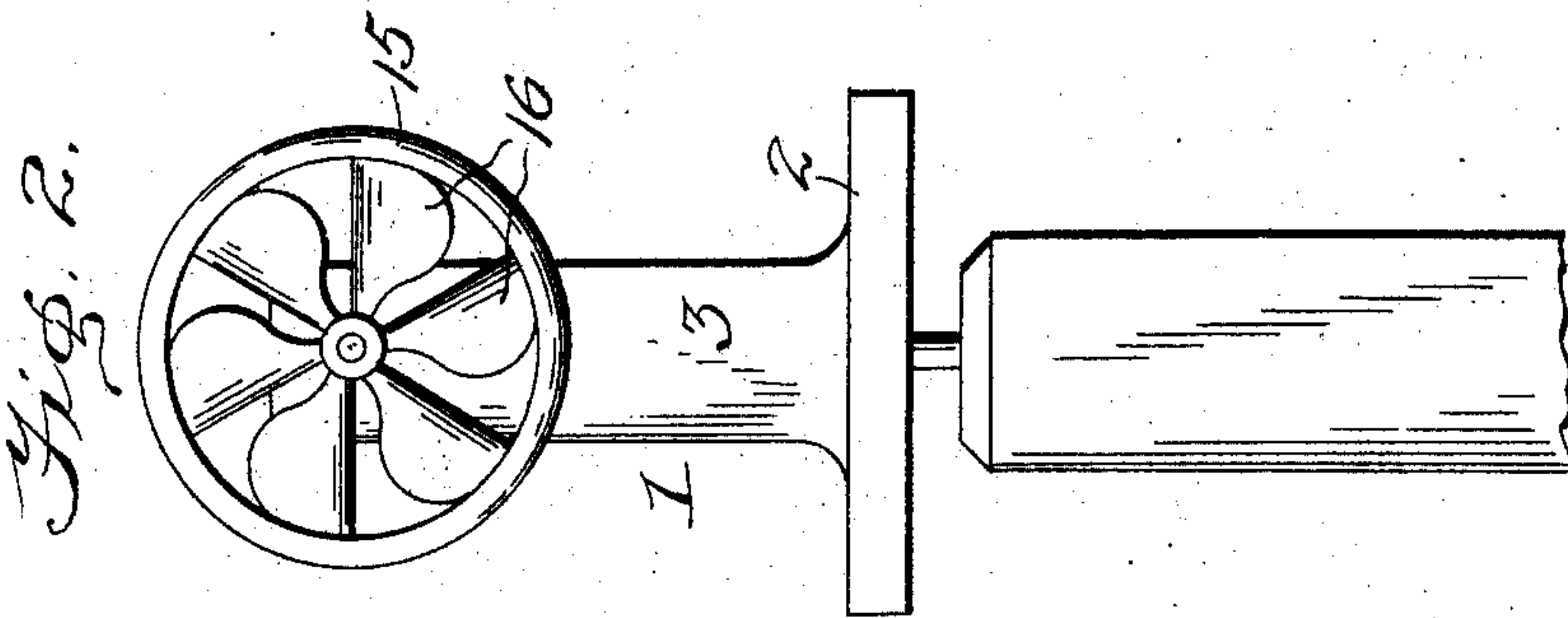
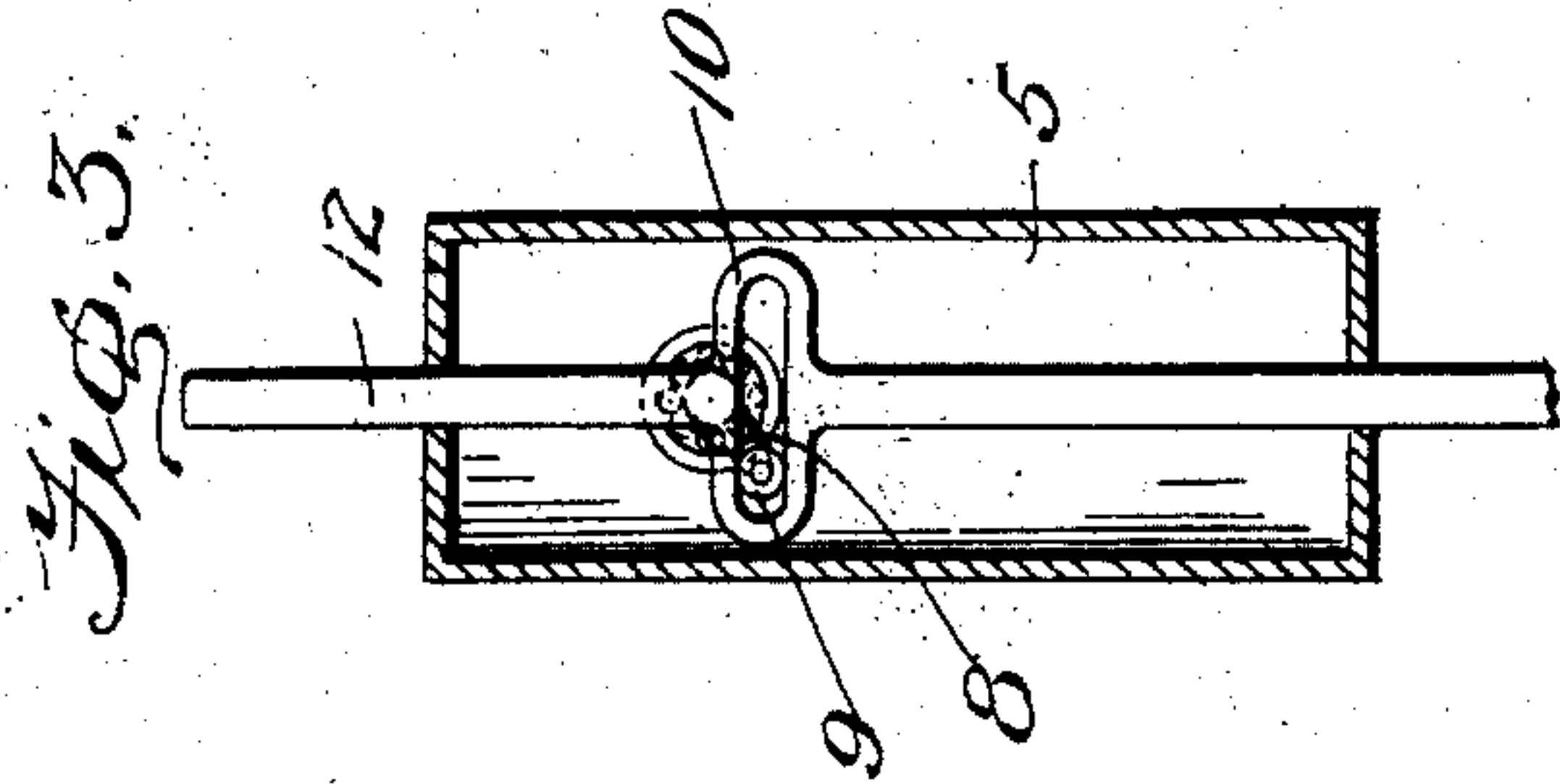


No. 854,190.

PATENTED MAY 21, 1907.

J. A. WIEDEMANN.
MECHANICALLY OPERATED SIGN.
APPLICATION FILED DEC. 28, 1905.



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UNITED STATES PATENT OFFICE.

JOSEPH A. WIEDEMANN, OF ELDORADO, KANSAS.

MECHANICALLY-OPERATED SIGN.

No. 854,190.

Specification of Letters Patent.

Patented May 21, 1907.

Application filed December 28, 1905. Serial No. 293,702.

To all whom it may concern:

Be it known that I, JOSEPH A. WIEDEMANN, a citizen of the United States, residing at Eldorado, in the county of Butler and State of Kansas, have invented certain new and useful Improvements in Mechanically-Operated Signs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in mechanically operated symbolical advertising signs.

The object of the invention is to provide a sign of this character symbolizing a sewing machine head and having means whereby the same may be automatically operated.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a side view of a sign constructed in accordance with the invention, parts being shown in section; Fig. 2 is an end elevation of the same, showing the construction of the drive wheel; and Fig. 3 is a vertical sectional view through the guide frame of the needle bar.

Referring more particularly to the drawings, 1 denotes the frame-work of the sign which is here shown in the shape and form of a sewing machine head comprising a base 2, on which is mounted an upwardly projecting hollow standard 3. Upon the latter is arranged a horizontally disposed hollow arm 4 supporting at its free end a needle bar guide frame or casing 5.

Revolubly mounted in the upper end of the standard 3 and the arm 4 is a drive shaft 6, said shaft being journaled in suitable anti-frictional bearings 7. Secured to or formed integrally with the drive shaft 6 is a crank arm 8, on which is journaled a right angularly disposed roller 9. This roller is adapted to engage the slotted cross head 10 formed on the needle bar 12 which is slidably mounted in the casing 5, as shown. On the lower end of the needle bar 12 is arranged a needle 13, and to the casing 5 is connected a presser foot 14. Secured to the opposite end of the drive shaft 6 is the fly wheel 15, which has its

spokes constructed in the form of inclined radial blades 16 by means of which said wheel and the drive shaft may be operated by wind power. The base 2 of the sign is pivotally mounted on the upper end of a suitable standard, and attached to said sign is a vane 17, whereby the wheel 15 will be held to the wind, as will be understood. The standard preferably consists of a rod 18 which has its upper end projecting through eyes or staples 19 on the standard 3 and engaging with the under side of the arm 4 for pivotally supporting the sign. This arrangement of the pivotal point permits of the vane 17 being connected with the longer portion of the base 2 and thereby causes it to always stand to the rear of the standard 18 with the wheel 15 exposed to the full force of the wind.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Such changes in the form, proportion and the minor details of construction may be resorted to as fall within the scope of the invention as defined by the appended claims without departing from the principle or sacrificing any of the advantages of this invention.

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

In a mechanically operated sign, a base, a standard thereon provided with eyes, a hollow arm extending laterally from the standard over the base, and provided with a casing, a reciprocatory bar in the casing, a shaft journaled in said arm provided with a crank at one end for engaging with said bar and a wheel at the other end having its spokes in the form of inclined radial blades, a vane depending from the base, and a rod projecting up through the base and the eyes on the standard, and having its upper end engaging with the under side of said arm.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH A. WIEDEMANN.

Witnesses:

A. L. L. HAMILTON,
DILLON HAMILTON.