No. 826,547. PATENTED JULY 24, 1906.

E. DEMAREST.

MACHINE FOR POINTING PICKETS.

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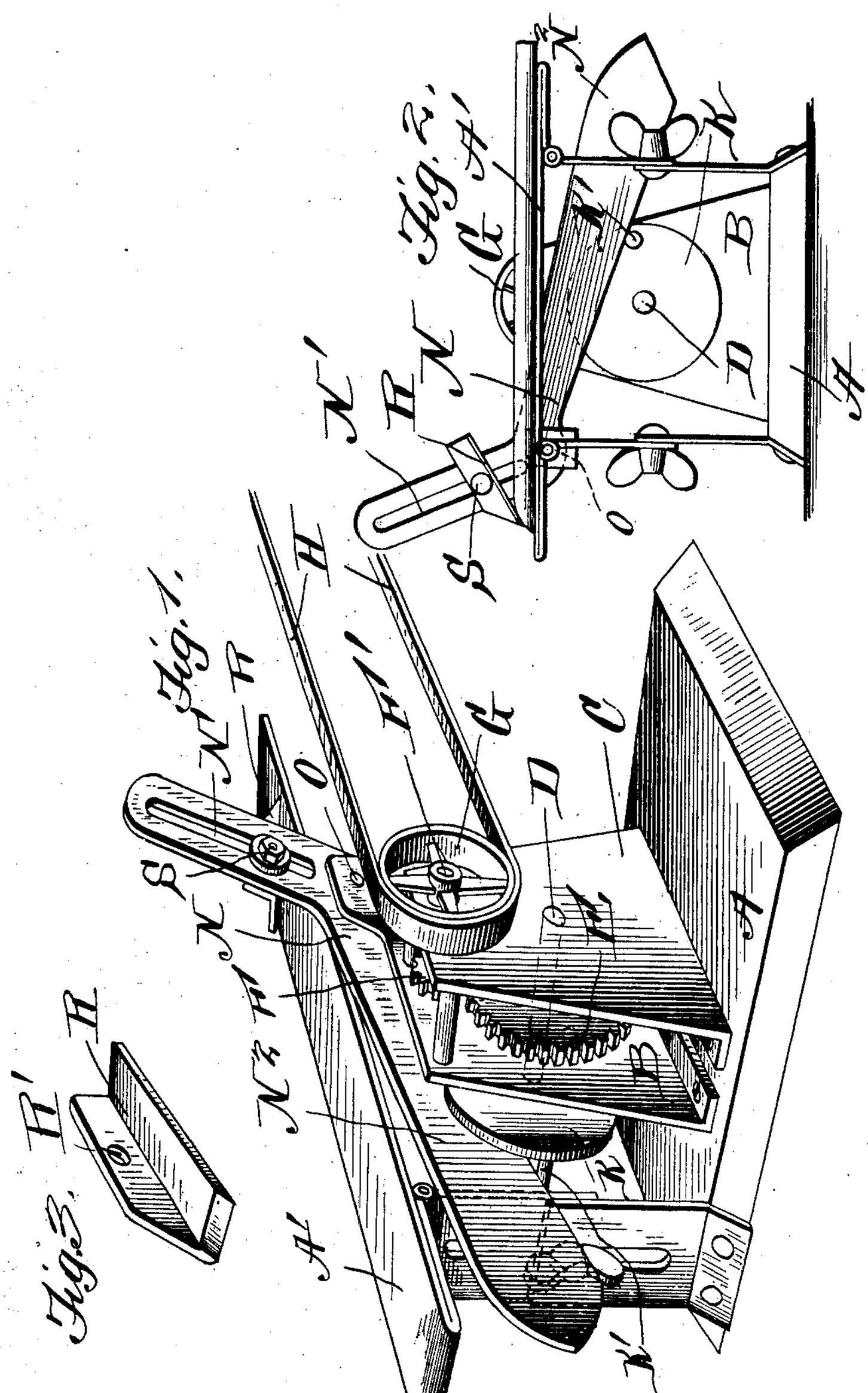

Witnesses

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MACHINE FOR POINTING PICKETS.

No. 826,547. Specification of Letters Patent. Patented July 24, 1906.

Application filed March 8, 1906. Serial No. 304,955.

To all whom it may concern:

Be it known that I, ERNEST DEMAREST, a citizen of the United States, residing at Patterson, in the parish of St. Mary and State of Louisiana, have invented certain new and useful Improvements in Machines for Pointing Pickets; and I do hereby 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in apparatus for pointing pickets, and comprises various details of construction and combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my apparatus. Fig. 2 is a side elevation, and Fig. 3 is a detail perspective view, of the cutting-knife.

Reference now being had to the details of the drawings by letter, A designates the base of the apparatus, having two standards B and C rising therefrom, and A′ designates a table. D designates an operating-shaft which is journaled in said standards and has a gear-wheel E fixed thereto, which is in mesh with a pinion F, mounted upon a shaft F′, which is also journaled in said standards. A pulley G is fixed to the end of the shaft F′, and a belt H passes about said pulley and is adapted to be driven from any source or supply of power. Mounted upon the shaft D is a balance-wheel K, having a pin K′ mounted eccentrically thereon and projecting from one face of the wheel.

N designates an angle-lever having an elongated slot N′ in one end thereof, and said lever is mounted upon a pivot-pin O. One arm N^2 of said lever is weighted and is adapted to ride upon the eccentric pin K′.

R designates a knife, a detail view of which is shown clearly in Fig. 3 of the drawings, which knife is shown as being angled, being provided with an aperture R′ for the reception of an adjusting-screw S, which passes through said slot N′ and is provided with a head adapted to clamp and hold the knife at any desired angle against the slotted arm. In Fig. 2 of the drawings said knife is shown as adjusted substantially at right angles to the slot and is designed as the lever N is tilted to describe the arc of a circle and to cut a corresponding curve at the end of a picket.

In operation the pickets to be pointed are placed upon the table with their ends underneath the knife and in such position that the knife is tilted down by the rocking of the lever incident to the eccentric pin coming in contact with the under edge of the weighted arm thereof. The end of the picket may be cut away and the picket then reversed and the opposite edge cut, as will be readily understood. After the weighted arm of the lever has been raised by the eccentric pin said lever will be returned to its lowest position by gravity and the operation repeated by the rotation of the pin.

From the foregoing it will be observed that by the provision of the apparatus shown and described a simple and efficient device is afforded whereby pickets may be pointed, the angle at which it is desired to have the knife held being adjustable to adapt the apparatus for pickets of various widths and also regulating the pitch of the pointed ends.

What I claim is—

In combination with a frame comprising a base with parallel standards, the lower ends of which are flanged and fastened to said base, an adjustable table mounted upon said base, an angle-lever pivoted to a projection upon one of said standards adjacent to one edge thereof, a shaft mounted in said standards, a disk rotating with said shaft, an eccentrically-mounted pin projecting from said disk and upon which the weighted end of said lever is adapted to ride, an arm of said lever having an elongated slot therein, a knife having an angled flange which is apertured, and means for fastening said flange to the slotted arm of said lever, as shown and described.

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

ERNEST DEMAREST.

Witnesses:

C. R. GASHIA,

A. J. DEMAREST.