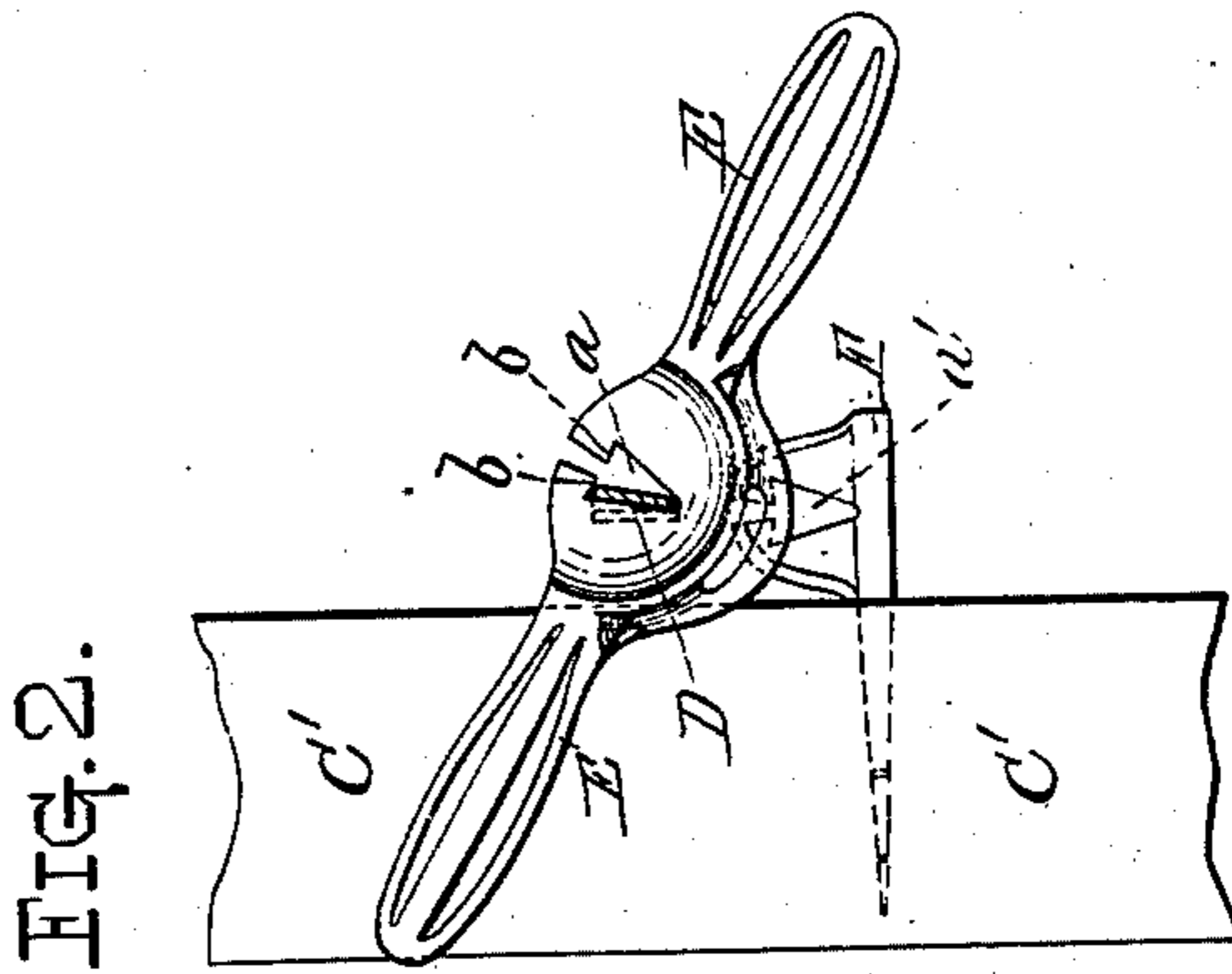
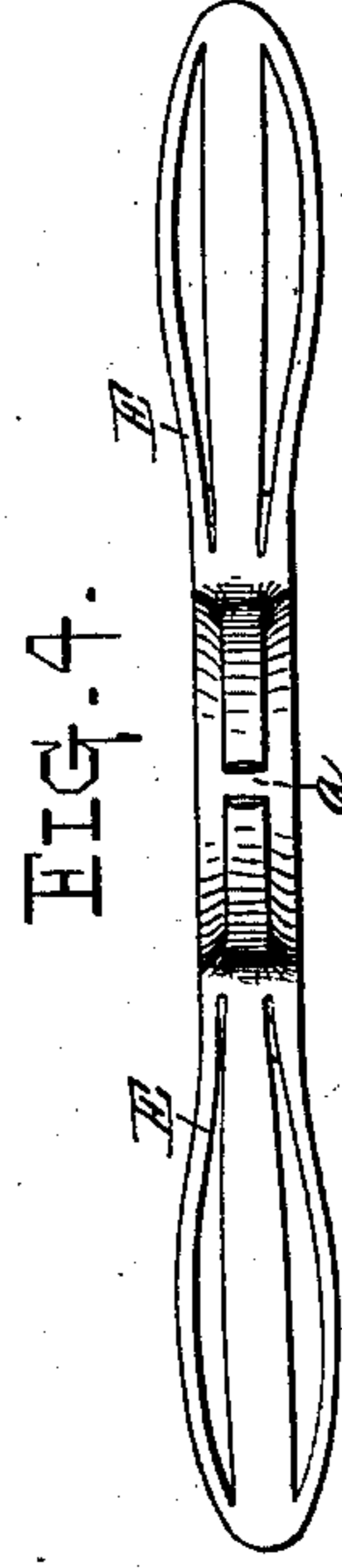
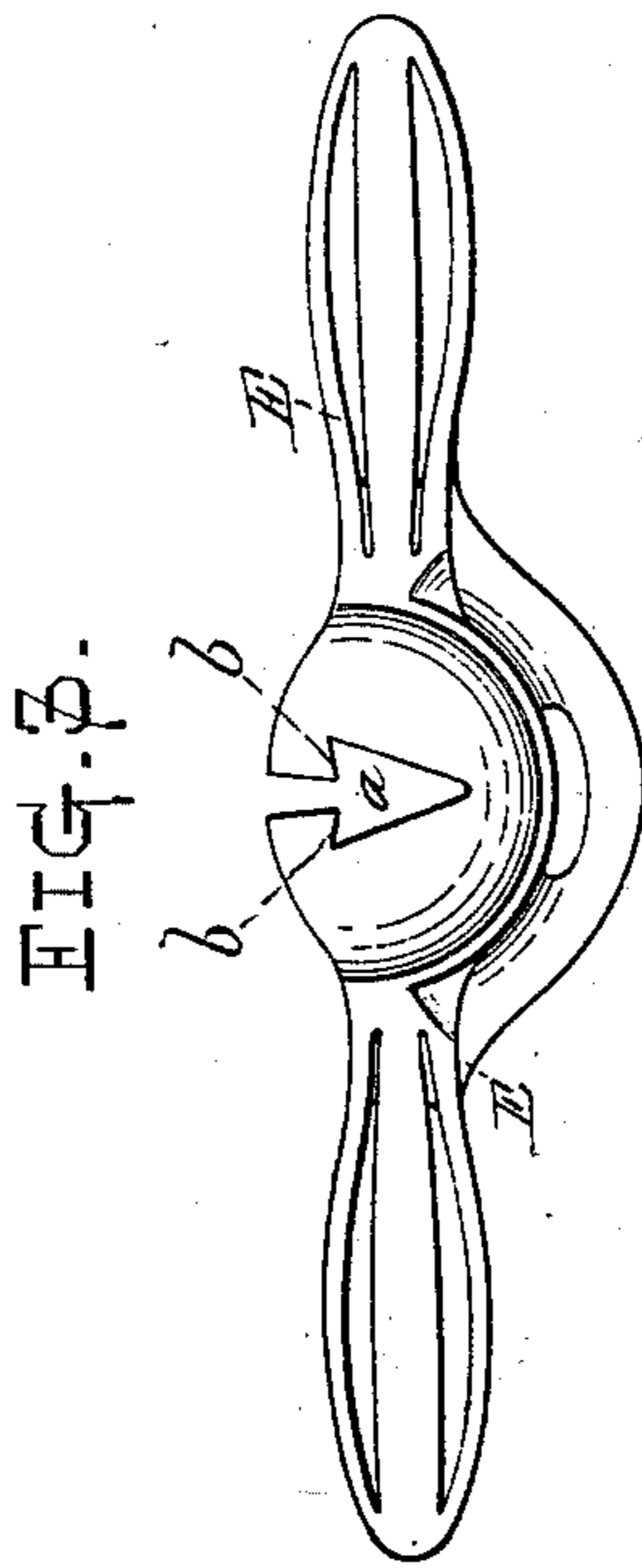
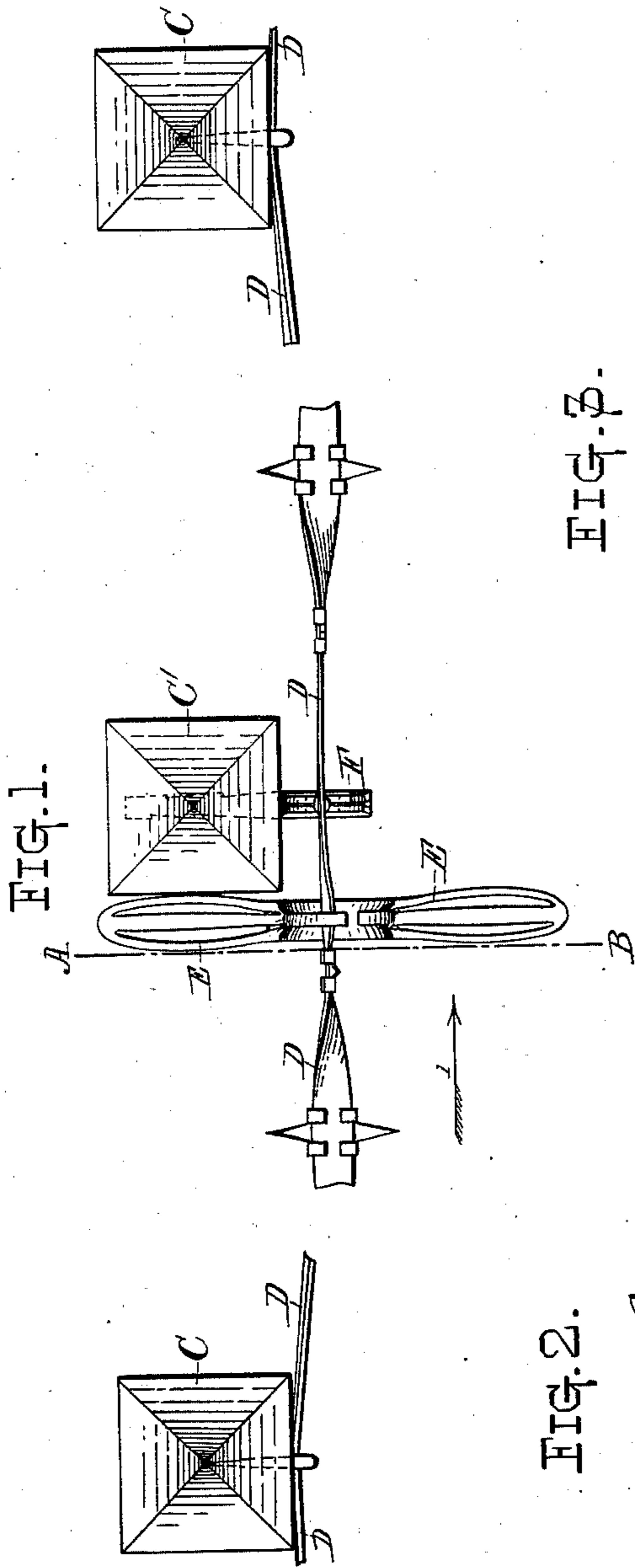


J. & W. M. BRINKERHOFF.
Metallic-Fence Twister.

No. 216,779.

Patented June 24, 1879.



Witnesses:

Thos. H. Doby
Edwin C. Poor

Inventors:

Jacob Brinkerhoff
Warren M. Brinkerhoff

UNITED STATES PATENT OFFICE.

JACOB BRINKERHOFF AND WARREN M. BRINKERHOFF, OF AUBURN, N. Y.,
ASSIGNORS TO WASHBURN & MOEN MANUFACTURING COMPANY, OF
WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN METALLIC-FENCE TWISTERS.

Specification forming part of Letters Patent No. **216,779**, dated June 24, 1879; application filed
May 12, 1879.

To all whom it may concern:

Be it known that we, JACOB BRINKERHOFF and WARREN M. BRINKERHOFF, both of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Metallic-Fence Twist-ers; and we do hereby declare that the fol- lowing is a full, clear, and exact description of the same, reference being had to the ac- companying drawings, forming a part of this specification, and in which—

Figure 1 represents a top or plan view of three ordinary fence-posts, with the ends of a section of flat metallic barb fencing attached by means of suitable staples to the two outer posts. It also represents said barbed fence-strip as being twisted by one of our improved metallic-fence twist-ers preparatory to said strip being dropped and inserted into a lock- ing and holding fence-hook provided for the purpose, which is secured in the center post. Fig. 2 represents a vertical section through the barbed fence-strip, taken on line A B, Fig. 1, looking in the direction indicated by arrow 1, and showing a side view of our improved fence-twister and other parts illus- trated in Fig. 1; and Figs. 3 and 4 repre- sent, upon an enlarged scale, a side and top or plan view, respectively, of aforesaid metal- lic-fence twister.

Our invention relates to metallic-fence twist-ers for twisting barbed fence-strips such as described and shown in the Letters Patent granted to Jacob Brinkerhoff, October 24, 1876, No. 183,531, and April 8, 1879, No. 214,095, said fence-strips being secured to every other post by means of suitable fence- staples, and then twisted by our improved de- vice, and afterward secured to their respective posts, as hereinafter more fully described.

To enable those skilled in the art to which our invention belongs to make and use the same, we will proceed to describe it more in detail.

In the drawings, C C and C' represent or- dinary fence-posts; D, a section of flat metal- lic barbed fencing, and E our improved me- tallic-fence twister for twisting the same.

The operation of securing and twisting a fence-strip is as follows: The strip of fencing is first secured to every other post C C by means of suitable fence-staples, being drawn as taut as possible during the aforesaid oper- ation. The twister is next applied to the strip, (said twister being provided with an angular slot, *a*, in which to insert the fence- strip, and with shoulders *b b*, for preventing its springing out,) when it is then turned and the strip thereby twisted. Having been suffi- ciently twisted, it is then dropped and in- serted into a similar slot to slot *a*, formed in the upper side of a fence-hook, F, secured in the center post, C', when the twister is then removed and the operation completed.

In this instance the fence-strip D is repre- sented as being twisted toward the right when looking in the direction indicated by arrow 1, thus bringing said strip against the side of slot *a* nearest the fence-post, as represented in Fig. 2 of the drawings. If preferred, it may be twisted in the opposite direction, or the twister applied to the same upon the other side of the fence-post.

Those skilled in the art to which our inven- tion belongs will readily understand and ap- preciate the great practical advantages de- rived from employing a twisting device such as herein shown and described. It is not only strong and durable, but of very simple con- struction, and performs its office perfectly, while at the same time by its use the neces- sity of twisting the fence-strips when they are manufactured is obviated, thus enabling them to be coiled more compactly for shipment.

Then, again, by the use of the peculiarly- constructed fence-hook F (which forms the subject-matter of another and separate ap- plication for Letters Patent filed by us of even date herewith) and our twisting device E, the different sections of the fence can be tight- ened up with great expedition and ease by simply lifting the fence-strip D out of slot *a'* in the hook F by means of the twister E, and then give it a half-turn or more before replac- ing it in slot *a'*, where it is held by its upper edge catching under one of the shoulders in

hook F, corresponding with shoulders *b* in the twister E.

Having described our improvements in metallic-fence twisters, what we claim therein as new and of our invention, and desire to secure by Letters Patent, is—

As an improved article of manufacture, a metal-fence twister, E, provided with an an-

gular slot, *a*, and shoulders *b b*, substantially as and for the purposes set forth.

JACOB BRINKERHOFF.

WARREN M. BRINKERHOFF.

Witnesses:

THOS. H. DODGE,

EDWIN E. MOORE.