

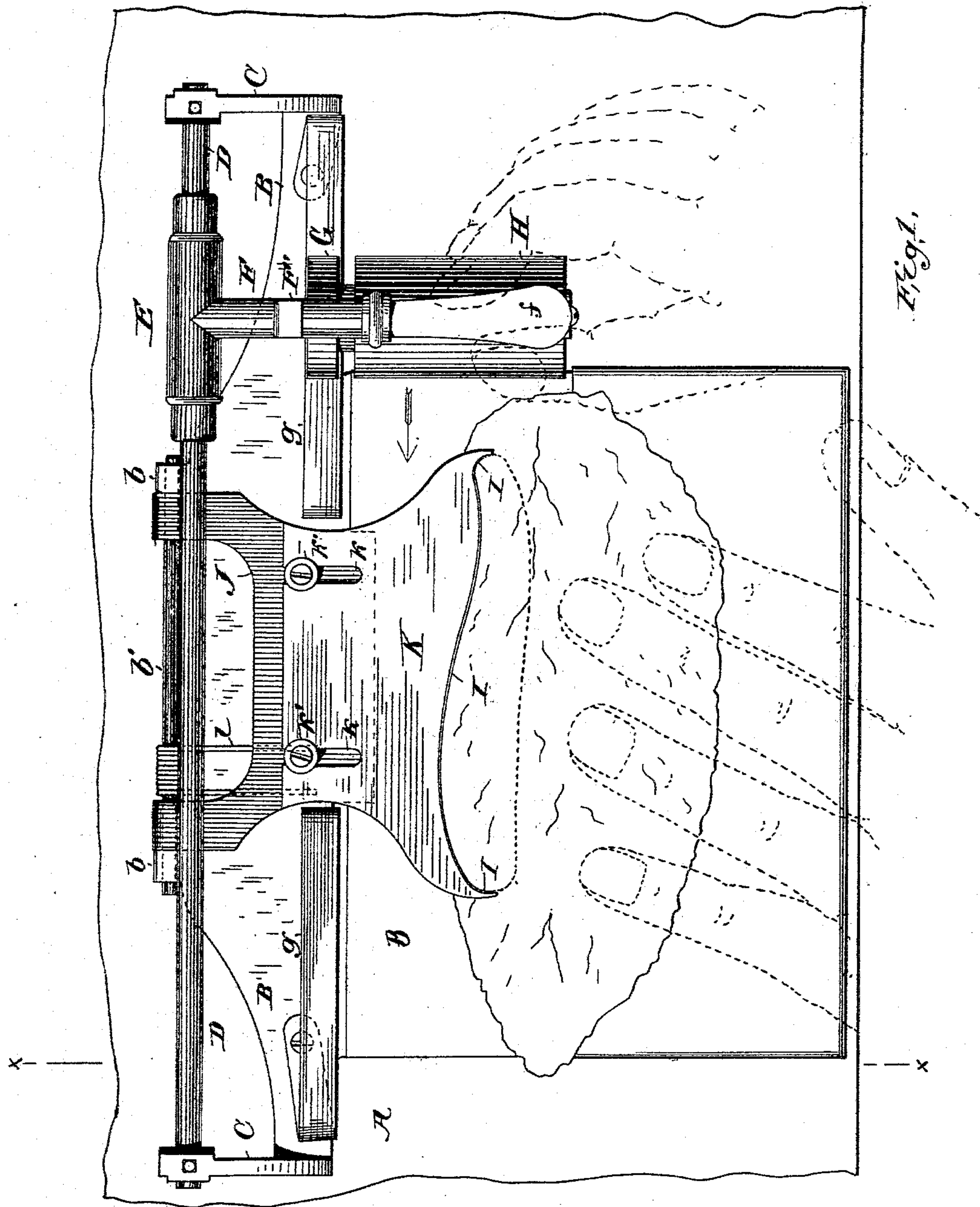
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3 Sheets—Sheet 1.

H. STORM & F. WARNKEN.
CIGAR WRAPPER CUTTING MACHINE.

No. 511,001.

Patented Dec. 19, 1893.



attest,
C. W. Benjamin
Percy J. Griffith

Inventors:
Henry Storm
Frederick Warnken
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Herbert A. Banning
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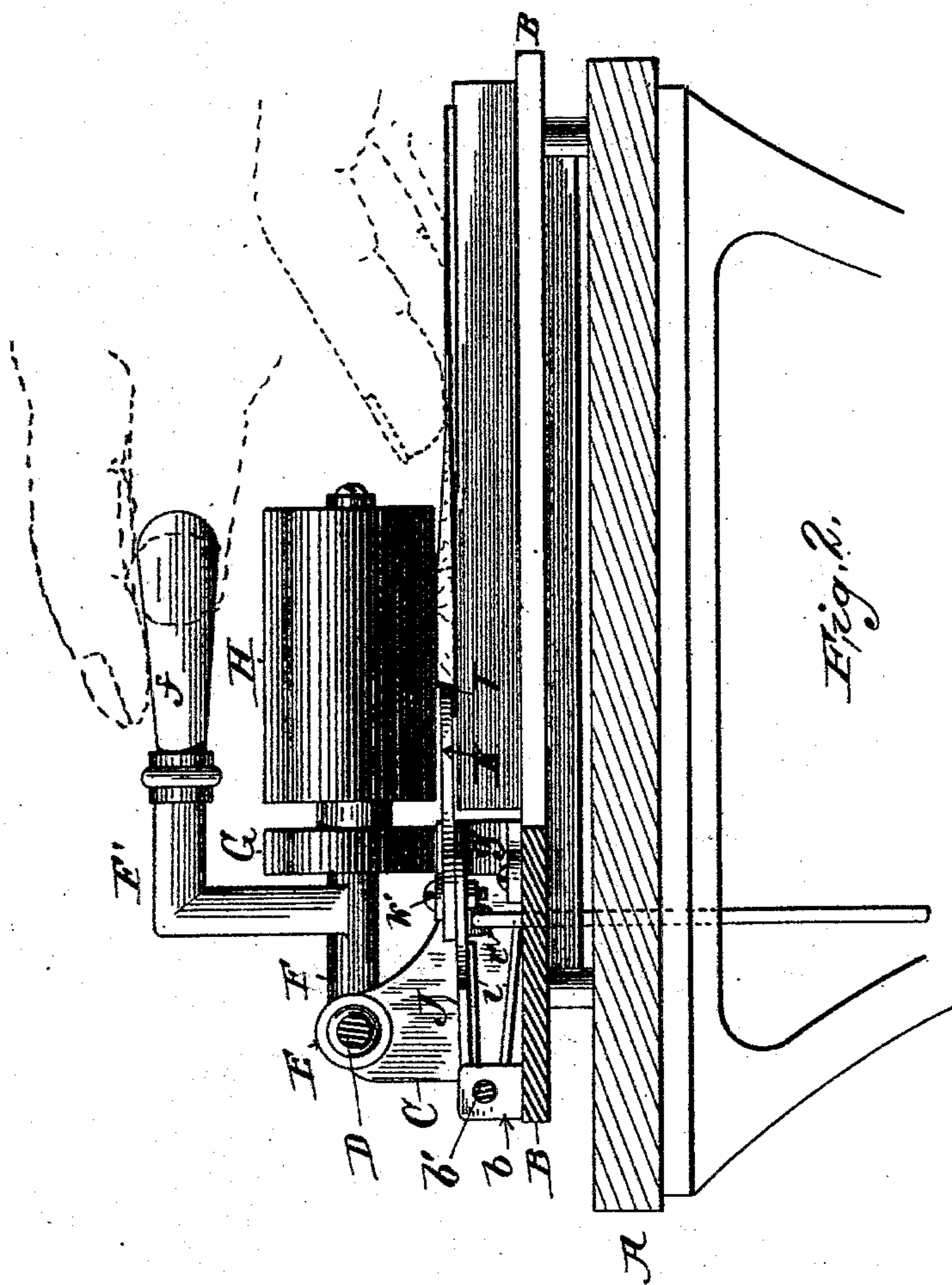
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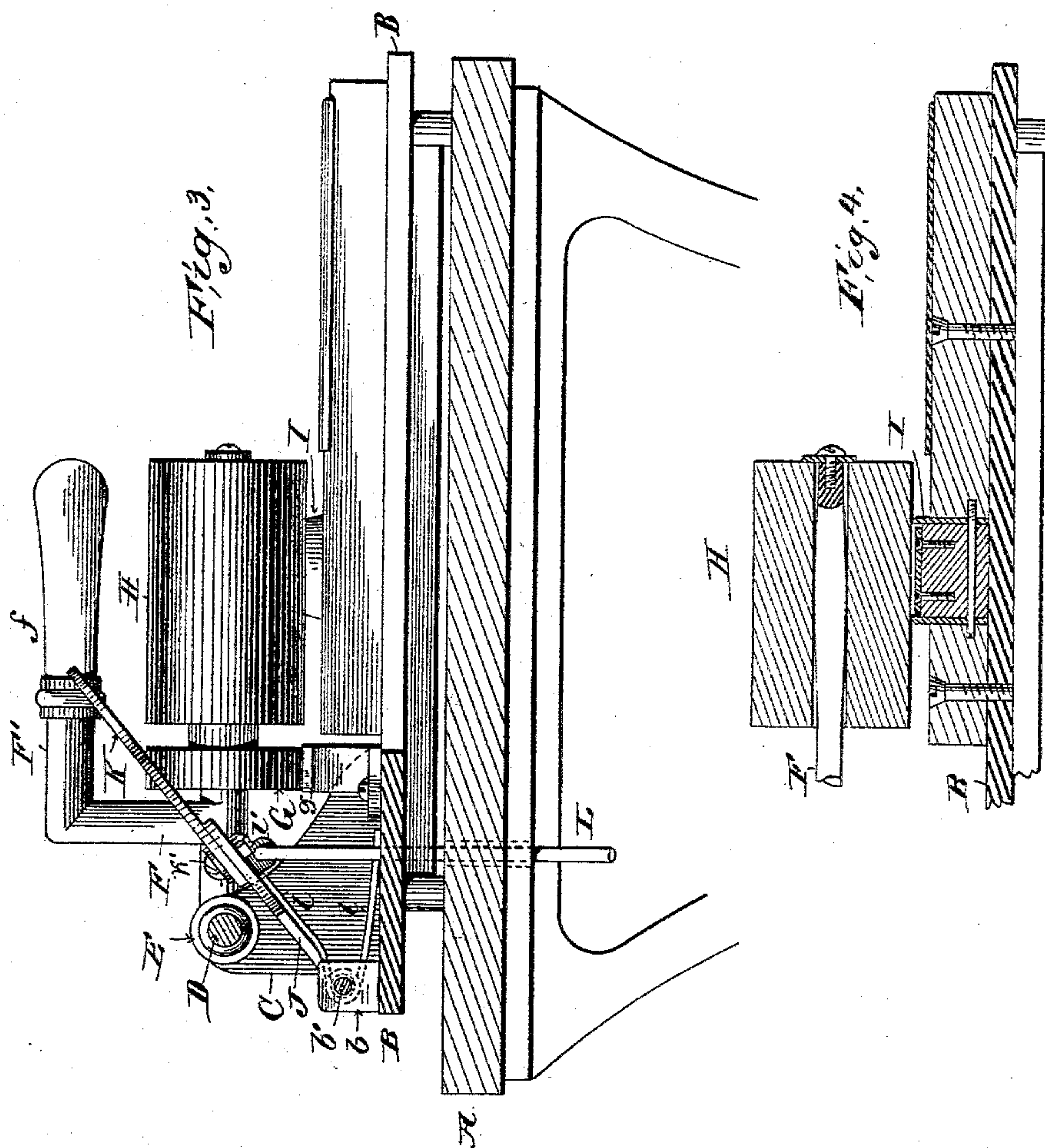
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UNITED STATES PATENT OFFICE.

HENRY STORM AND FREDERICK WARNKEN, OF NEW YORK, N. Y., ASSIGNOR
TO THE OWL CIGAR COMPANY, OF NEW YORK.

CIGAR-WRAPPER-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 511,001, dated December 19, 1893.

Application filed August 24, 1893. Serial No. 483,909. (No model.)

To all whom it may concern:

Be it known that we, HENRY STORM and FREDERICK WARNKEN, citizens of the United States, and residents of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Cigar-Wrapper-Cutting Machines, of which the following is such a full, clear, concise, and exact description as will enable others skilled in the art to which our invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The improvement relates especially to that class of wrapper cutters which hold the leaf upon a die and cut the wrapper by means of a roller passing over the same. In such machines as heretofore constructed the operator would necessarily lose control over the leaf and wrapper inasmuch as the hand had to be removed therefrom during the operation of cutting. This resulted in the leaf and wrapper portion being unduly stretched in certain directions or permitted the same to be too full and consequently more or less uneven when afterward rolled upon the cigar.

The object of this improvement is to employ a die having a cutter of the desired configuration and a plate for holding a portion only of the leaf so as to avoid the difficulties heretofore experienced, and to permit of more perfect control by the operator of the leaf and wrapper during the cutting operation.

The improvement consists in a holding plate which but partially passes around the die on which the leaf is placed in combination with the parts and devices hereinafter specifically claimed.

In the accompanying drawings, Figure 1 is a plan view of a cigar wrapper cutting machine showing the leaf in position for severing the wrapper therefrom. Fig. 2 is a section on the line *xx* of Fig. 1 when the roller has been passed on to the die and leaf as in the act of cutting the wrapper. Fig. 3 is also a section on the line *xx* of Fig. 1 when the machine is at rest and shows the wrapper holding plate away from contact with the leaf or die. Fig. 4 is a section taken through the roller and die and bed plate as when the roller is on the die

during the period of severing the wrapper therefrom.

In the drawings the frame-work A is suitably mounted and holds a bed plate B, from which project lugs C and a securing rod D. A sleeve E having a projecting lug F, elbow F' and handle *f* is secured to the rod D. On the lug F there are two rollers, a narrow roller G to move on a track *g*, and a larger roller H to move across the die and sever the wrapper from the leaf. Projecting from the bed plate B are two smaller lugs *b* to which is fixed a rod *b'*, and on this rod a plate J is swiveled or secured. Attached to the plate J is a holding plate K which has slots *k* to admit of its adjustment by set screws *k'*. This plate is provided with a front contour corresponding in shape to the rearward contour of the die I so that when the leaf is placed upon such die the plate holds the same on one side only leaving the balance of the leaf free to be stretched and manipulated by the fingers of the operator. On the rod *b'* is secured a coiled spring *l* which lies against the under part of the plate J above the bed plate and holds the plate K away from the die as seen in Fig. 3 when the machine is at rest. A lever rod I extending from a lug *l'* on the plate J is connected with a treadle beneath the bed-plate by means of which the holding plate K may be drawn down to its position on the leaf securing it against the die.

When the leaf is placed upon the die the holding plate is drawn upon it by a pressure on the treadle, thus clamping the back portion of the leaf closely between the holding plate and the die or cutter while the operator stretches the leaf by means of the fingers as indicated in the drawings, over the top of the die to the desired tension with one hand, and with the other the roller is passed to and fro across the upper surface of the leaf by means of which pressure the cutter severs the wrapper from the leaf. It will thus be seen that the operator is not obliged to lose control of the leaf as in the case where the holding plate extends entirely around the die as in machines heretofore constructed. The wrapper will be much more even and uniform, not stretched too much in one direction and too

little in another, and when rolled on the bunch will be much better than where dependence is had entirely upon the mechanical appliances for both holding and severing the wrapper from the leaf.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a cigar wrapper cutting machine, the combination, of a die provided with a cutting knife having a contour of the desired shape for the wrapper, a movable roller adapted to pass over said die and cutter and a mov-

able holding plate in the rear of said die, and partially but not wholly surrounding the same, said holding plate being in close proximity to the cutter, whereby a portion of the leaf only, is clamped against the die and the remainder controlled by the operator while passing the roller over the cutter, substantially as described.

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FRED. WARNKEN.

Witnesses:

M. OPPENHEIMER,

EDWARD F. MURPHY.