

No. 677,793.

Patented July 2, 1901.

E. PISKO.

DIE FOR CUTTING OUT CIGAR WRAPPERS.

(Application filed Nov. 14, 1900.)

(No Model.)

2 Sheets—Sheet 1.

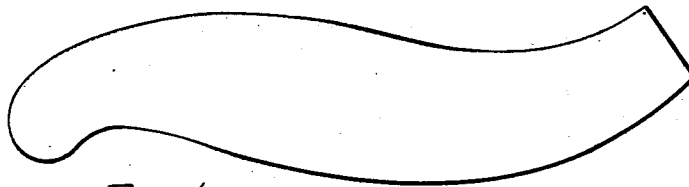


Fig. 1

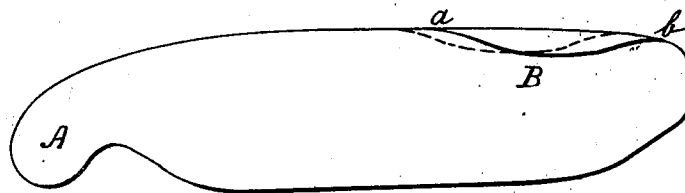


Fig. 2

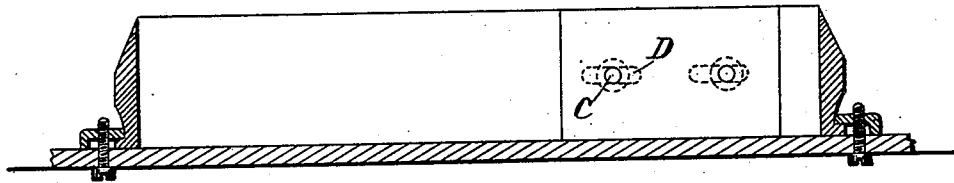


Fig. 3

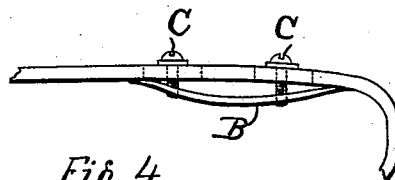


Fig. 4

Witnesses
John Kanagan
Henry R. R. R.

Inventor
Emanuel Pisko
By *his* Attorney's
Raymond Raymond R. R.

No. 677,793.

Patented July 2, 1901.

E. Pisko.

DIE FOR CUTTING OUT CIGAR WRAPPERS.

(Application filed Nov. 14, 1900.)

(No Model.)

2 Sheets—Sheet 2.

Fig. 5

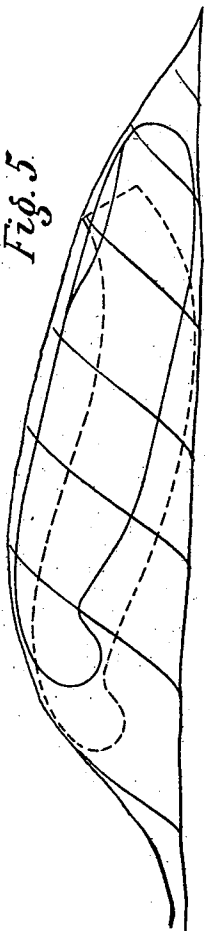


Fig. 6

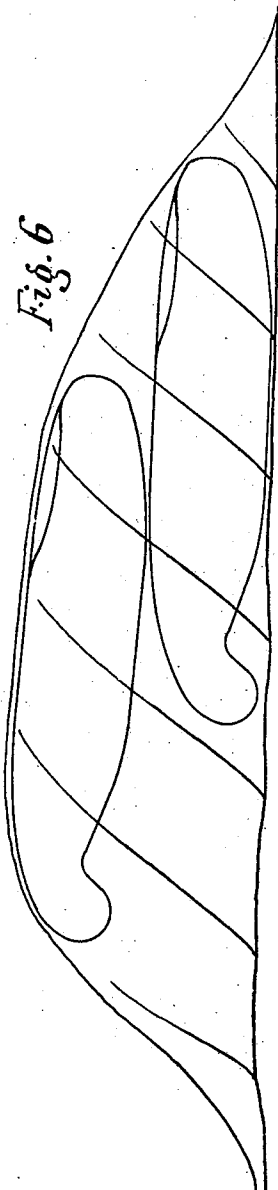
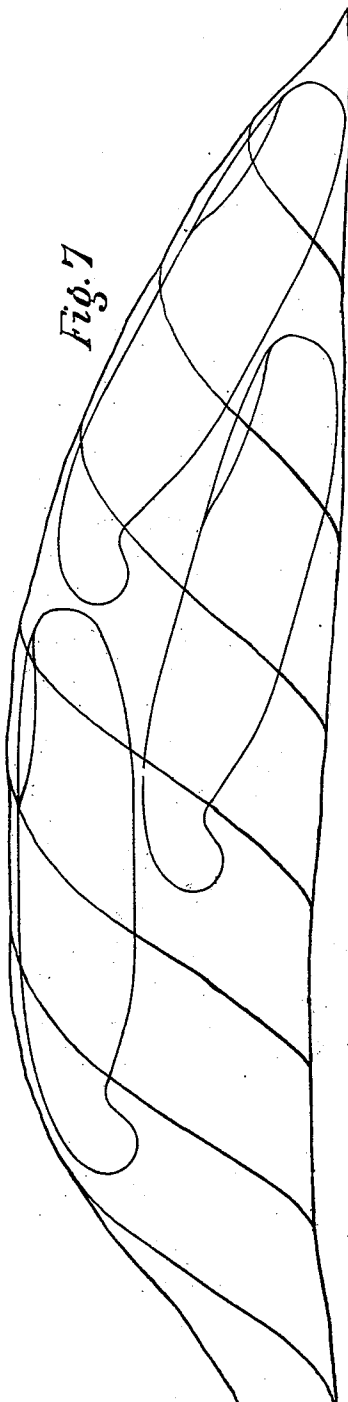


Fig. 7



Witnesses
John J. Hamagon
Harry B. Boring

Inventor
Emmanuel Pisko
By his Attorney
Raymond B. Boring

UNITED STATES PATENT OFFICE.

EMANUEL PISKO, OF NEW YORK, N. Y.

DIE FOR CUTTING OUT CIGAR-WRAPPERS.

SPECIFICATION forming part of Letters Patent No. 677,793, dated July 2, 1901.

Application filed November 14, 1900. Serial No. 36,436. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL PISKO, a citizen of the United States, residing at No. 312 East Seventy-ninth street, in the city, county, and State of New York, have invented a new and useful Improvement in Dies for Cutting Out Wrappers for Cigars, of which the following is a specification.

My invention relates to dies for cutting out wrappers for cigars.

In the accompanying drawings, Figure 1 is a view showing the shape of the cutting edge of the die now commonly used. Fig. 2 is a view showing the cutting edge of my improved die. Fig. 3 is a cross-section showing the general construction of the die. Fig. 4 is a detail showing the manner of construction of the auxiliary piece. Fig. 5 is a diagrammatic view showing the improved shape of my die and the ordinary shape of die placed upon the same leaf. Figs. 6 and 7 show the manner in which the wrappers will be cut out of the leaf with my improved die.

In Fig. 5 is shown the difference in the cutting of the wrapper effected by my die and the die now in use. An inspection of the figure will show the amount of the best part of the leaf which is saved by the use of my die which was wasted by the use of the ordinary die.

It is well known that in the higher grades of tobacco used for wrappers the shapes of the leaves are substantially the same and that the outer portion of the leaf, known as the "salvage," is the most valuable part for this purpose. Heretofore these wrappers for high-grade cigars have been cut by hand. Skilled workmen are necessary for this purpose, as their value depends upon their ability to cut a smooth-edged wrapper without wasting any of the salvage or fine part of the leaf.

The object of my invention is to produce a die by which these wrappers may be cut with the same resultant advantage as is secured by employing a skilled cutter.

So far as the construction of the die is concerned, save in the particular hereinafter to

be introduced, it does not differ as a mechanical construction from the ordinary die. The shape, however, is different. As shown in Fig. 2, the shape of the outside upper edge of the die is made to conform as nearly as possible to the natural curve of the edge of the leaf, (see Figs. 6 and 7,) the other side of the die being made to conform to the shape of the wrapper desired. In order to produce the cut-out portion necessary to give the proper shape, I have attached to the inside of the die an adjustable supplemental cutting-piece B. This is preferably made of spring metal and is attached to the walls of the die by screws C, fastened through slots D, as shown in Fig. 3. It will be evident that by means of these screws the amount of the cut-out portion may be varied at will and the slots allow of adjustment in a lengthwise direction in order to vary the exact position of the wrapper where the cut-out occurs. This supplemental piece is made of the same metal as the die and has the same kind of an edge, and in practice, of course, it is made slightly higher than the normal edge of the die, so that when pressed upon a leaf that part of the regular die from *a* to *b*, Fig. 2, is idle or does not perform work.

By an inspection of Figs. 5, 6, and 7 the amount of saving of the fine part of the wrapper is readily observable, and this saving in a large number of cigars is very considerable. Even if the same number of wrappers can be cut from a given leaf with the old die, yet by the use of my die these wrappers are cut from that part of the leaf which contains the most valuable tobacco and the resultant cigars will be of a better quality. Another advantage of this system of cutting out wrappers is that the veins in a leaf will run in such a direction in the wrapper that they will run regularly across the cigar, whereas in wrappers cut out as shown by dotted lines in Fig. 5 the direction of the veins around the cigar will be irregular.

What I claim, and desire to secure by Letters Patent, is—

1. A die having a portion of its cutting edge

formed by a supplemental adjustable piece, substantially as described.

2. A die having a portion of its cutting edge formed by a supplemental piece, substantially as described.

5 3. A die for cutting out cigar-wrappers having a portion of its cutting edge formed of the approximate shape of the natural leaf and having on that side of the die a supplemental

adjustable cutting edge, substantially as described. 10

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMANUEL PISKO.

Witnesses:

E. SCHROOD,

A. A. DURRIE.