

(No Model.)

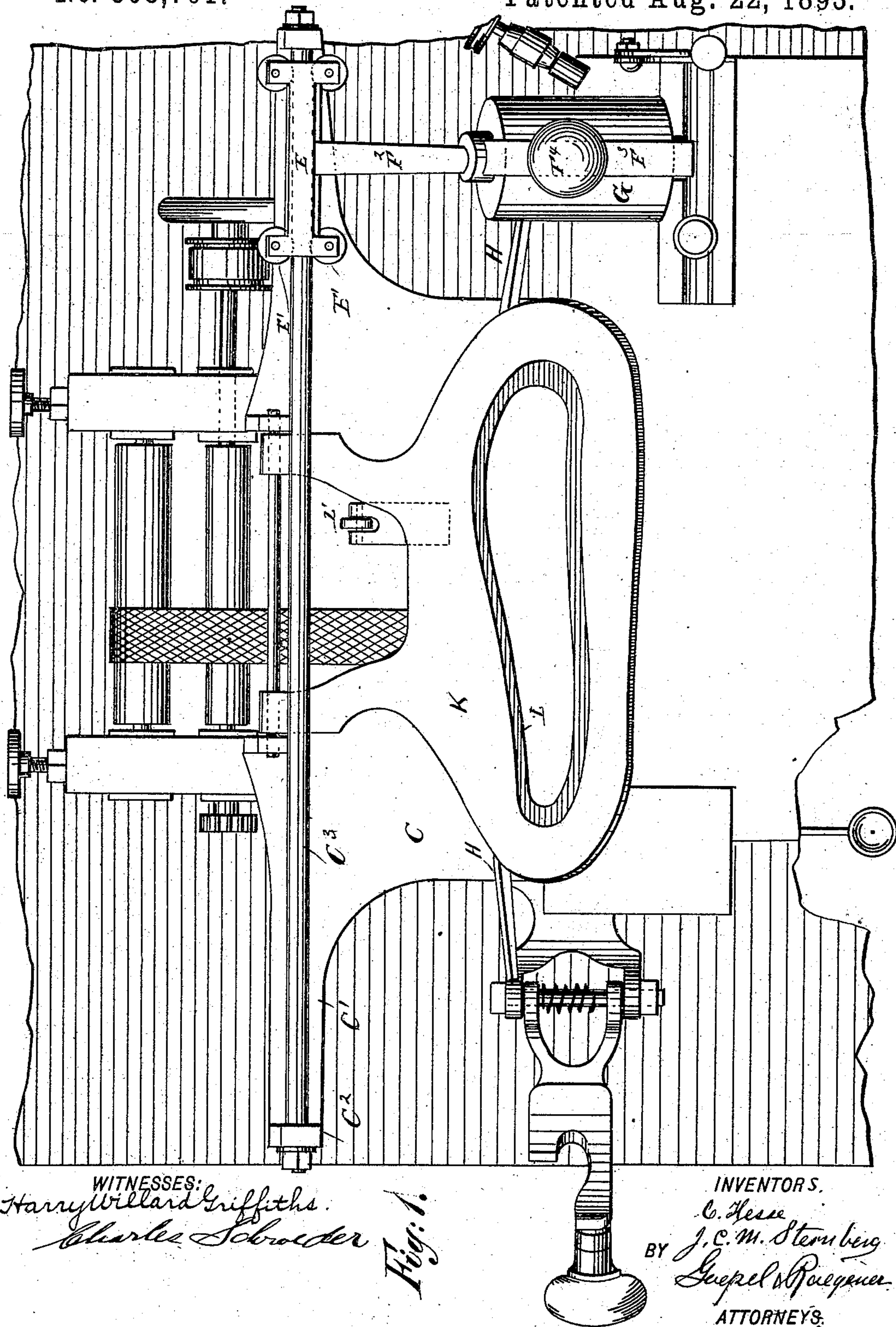
3 Sheets—Sheet 1.

C. HESSE & J. C. M. STERNBERG.

CIGAR WRAPPER CUTTER.

No. 503,701.

Patented Aug. 22, 1893.



(No Model.)

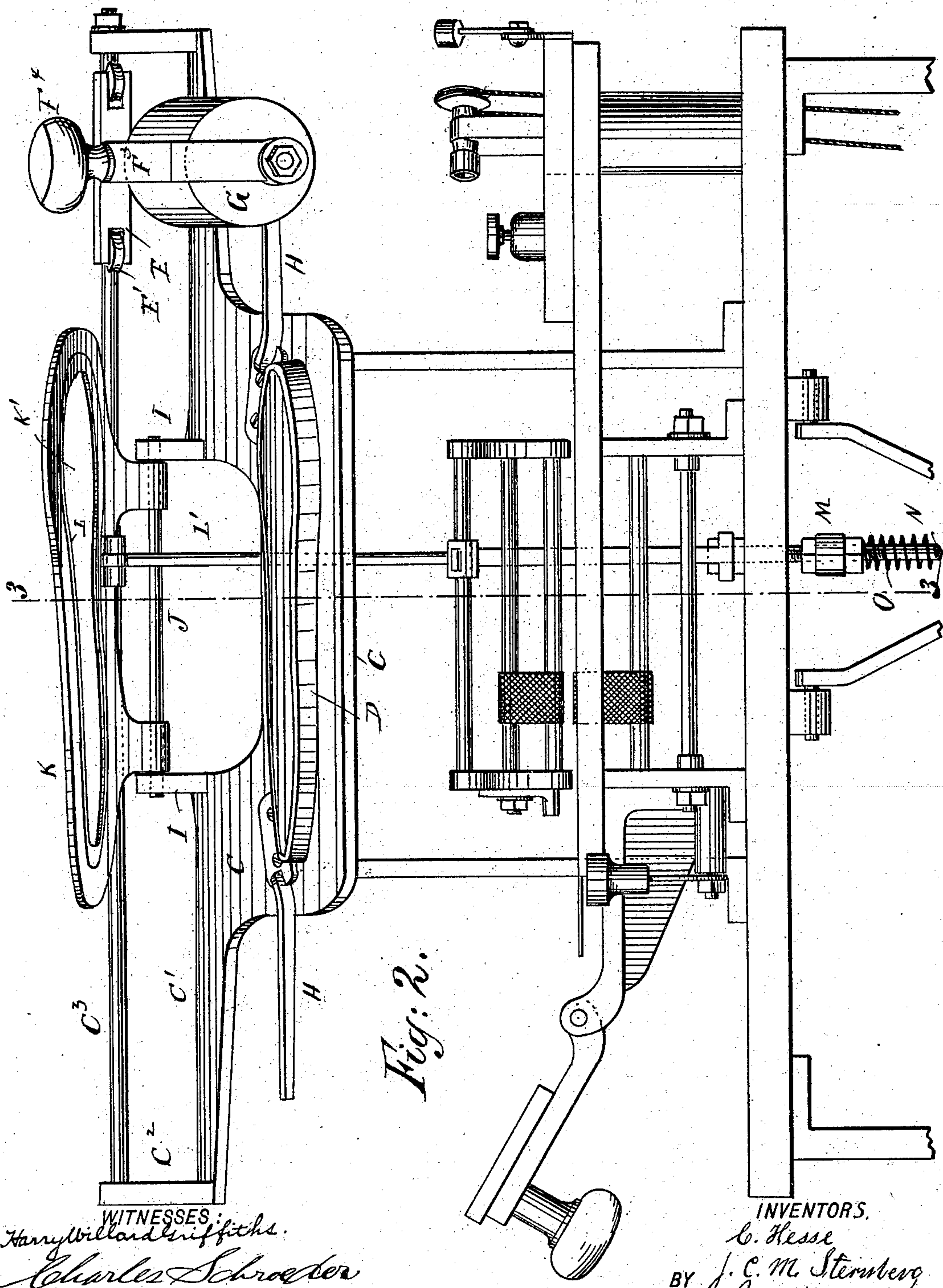
3 Sheets—Sheet 2.

C. HESSE & J. C. M. STERNBERG.

CIGAR WRAPPER CUTTER.

No. 503,701.

Patented Aug. 22, 1893.



(No Model.)

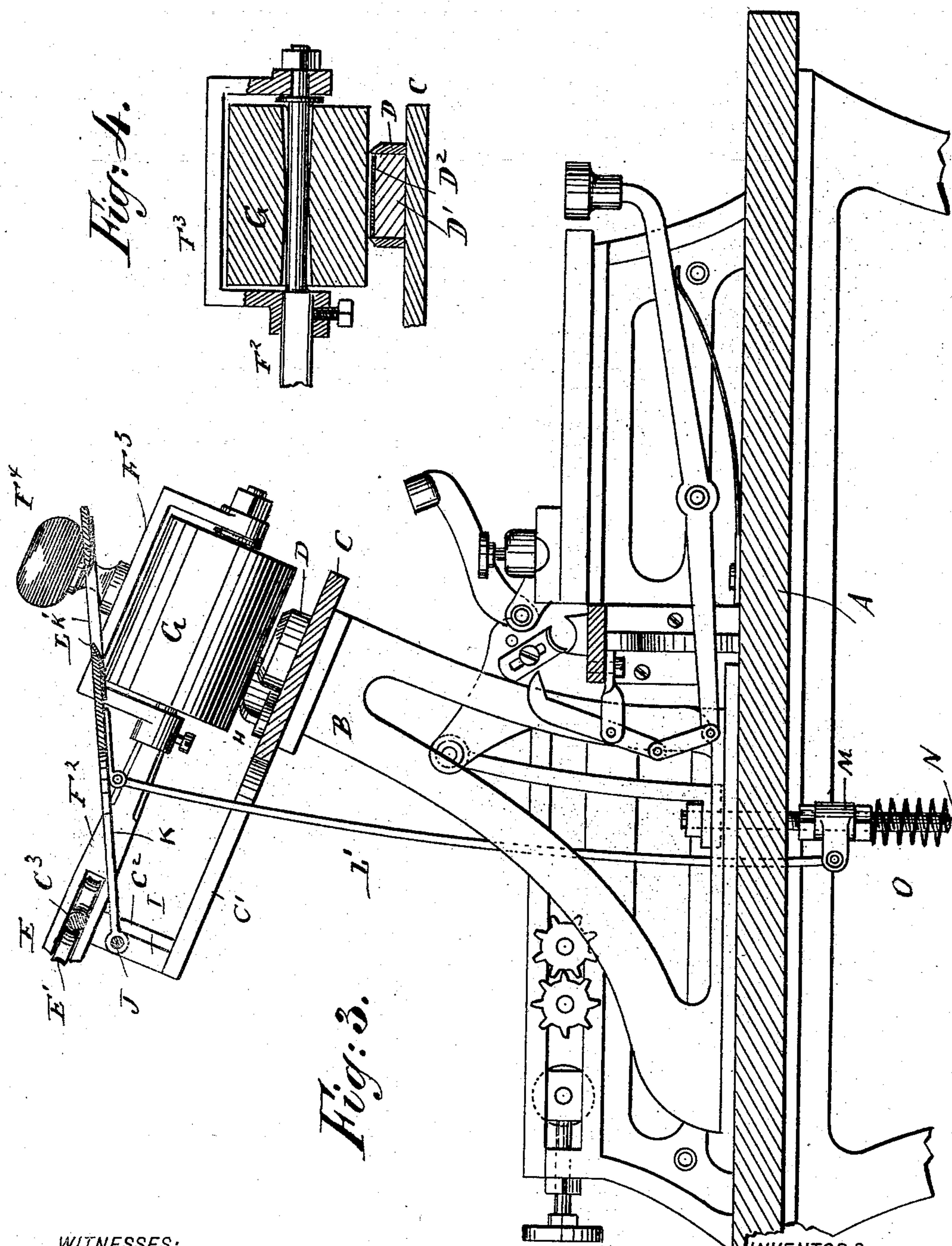
3 Sheets—Sheet 3.

C. HESSE & J. C. M. STERNBERG.

CIGAR WRAPPER CUTTER.

No. 503,701.

Patented Aug. 22, 1893.



WITNESSES:
Harry Willard Griffiths.
Charles Schroeder

INVENTORS
C. Hesse
J. C. M. Sternberg
BY
Guepel & Prager
ATTORNEYS.

UNITED STATES PATENT OFFICE

CARL HESSE AND JOHN C. M. STERNBERG, OF LONG ISLAND CITY, NEW YORK, ASSIGNORS OF ONE-HALF TO THE OWL CIGAR COMPANY, OF NEW YORK.

CIGAR-WRAPPER CUTTER.

SPECIFICATION forming part of Letters Patent No. 503,701, dated August 22, 1893.

Application filed September 2, 1892. Serial No. 444,866. (No model.)

To all whom it may concern:

Be it known that we, CARL HESSE and JOHN C. M. STERNBERG, citizens of the United States, and residents of Long Island City, Queens county, New York, have invented certain new and useful Improvements in Cigar-Wrapper Cutters, of which the following is a specification.

The object of our invention is to provide a new and improved device for cutting cigar-wrappers, which device can be used with a bunch wrapping machine, or independently of the same.

The invention consists in the combination with a supporting plate, of a blade on the same having the shape of the desired cigar wrapper, a roller suitably mounted to pass over said blade, a swinging plate having an opening conforming to the shape of said swinging plate.

The invention also consists in the construction and combination of parts and details which will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan-view of our improved cigar wrapper cutter, as applied for a cigar bunch wrapping machine. Fig. 2 is a front view of the same. Fig. 3 is a transverse sectional view on the line 3 3, Fig. 2. Fig. 4 is a detail longitudinal sectional view of the roller and cutter blade.

Similar letters of reference indicate corresponding parts.

On the table A supporting the cigar bunch wrapping device, the standards B are erected at an inclination and carry the supporting plate C, which is also arranged at an inclination and on said plate the blade D is fixed, which has the shape of the wrapper, said blade being provided with a filling D' of wood on which a metal plate D² is fixed which latter is slightly below the cutting edges of the blade. From the rear edge of the plate C the arms C' project laterally and on the ends of the same standards C² are fixed which are connected by a rod C³. A carriage E having rollers E' is mounted to slide on the rod C³ and is provided with an arm F² projecting toward the front, which arm has a forked part F³ and on the top of said forked arm a handle-knob F⁴ is fixed. A metal roller G is mounted to rotate in the fork F³. From the plate C the arms H

project laterally near the front, upon which arms the roller G can rest during part of its movements. The plate C is also provided at its rear edge with the short standards I that are connected by a rod J on which a plate K is mounted to rock, said plate having an opening K' corresponding to the contour of the blade D, but slightly larger than the same, and to the under side of said plate K rubber or leather strips L are fastened along the edges of the opening K', which strips project into the opening as shown in Fig. 3. A rod L' is connected with the swinging plate K and extends downward and is connected at its lower end with a collar M of a rod N surrounded by a helical spring O which presses it upward. A foot lever, not shown in the drawings, is used to draw down the rod L'. The other parts illustrated in the drawings merely serve to illustrate a bunch wrapping machine, and form no part of this invention.

The operation is as follows:—The roller G is at one end of the rod C³ and the plate K is raised. The tobacco leaf is placed upon the cutting blade D in the proper position and smoothed and then the plate K is swung down by means of the foot lever previously mentioned the leather or rubber strips L slide down over the beveled edges of the cutting blade and draw the tobacco leaf taut over said blade and hold it. The top surface of the plate K is now slightly below the top edge of the blade. The roller G is then moved from right to left by means of its button or knob F⁴ and passes over the tobacco leaf resting on the blade and produces sufficient pressure to force the blade through the leaf whereby the wrapper is cut out from the leaf: the foot lever is then released so as to permit the spring O to draw the rod L and the plate K upward, when the wrapper that has been cut can be removed. Then another leaf is placed on the blade and the plate K is again depressed and the roller G is moved from left to right, and so on. The wrappers are all cut at a uniform size, the edges are sharp and clear and not ragged and the operation is performed very rapidly. This cutter can be fixed on any table as it is entirely independent of the cigar bunch wrapper.

Having thus described our invention, we

claim as new and desire to secure by Letters Patent—

1. In a cigar wrapper cutter, the combination of a blade the shape of the desired wrapper, a swinging plate having an opening therein above the blade, means for lowering the same, said swinging plate surrounding the blade when in lowered position, and a roller mounted to pass over the blade, substantially as set forth.

2. In a cigar wrapper cutter, the combination of a table provided with a plate, a wrapper cutter blade on said plate, which blade has the shape of the desired wrapper, a swinging plate having an opening in conformity with the shape of the blade, flexible strips attached to said plate along the edges of its opening, means for raising or lowering said plate, and a roller mounted to pass over the blade and swinging plate, substantially as set forth.

3. In a machine for cutting cigar wrappers, the combination, with a supporting plate, of arms on the same, a rod supported on said arms, a carriage mounted to travel on said rod, a roller supported in said carriage, a cutting blade of the desired shape of the wrapper fixed on said supporting plate, a swinging plate mounted on the supporting plate and

having an opening in conformity with the shape of the blade, and means for operating said swinging plate, said plate surrounding the blade when lowered, substantially as set forth.

4. In a machine for cutting cigar wrappers, the combination, with a supporting plate, of arms on the same, a rod supported on said arms, a carriage mounted to travel on said rod, a roller supported by said carriage, additional arms projecting from the supporting plate for supporting the roller in its end positions, a swinging plate on the supporting plate, which swinging plate has an opening in conformity with the shape of the blade, flexible strips secured into said plate and projecting from the edges of the opening and means for operating the swinging plate, said swinging plate surrounding the blade when lowered, substantially as set forth.

In testimony that we claim the foregoing as our invention we have signed our names in presence of two subscribing witnesses.

CARL HESSE.

JOHN C. M. STERNBERG.

Witnesses:

OSCAR F. GUNZ,

CHARLES SCHROEDER.