

(No Model.)

G. W. TANNER.

MACHINE FOR CUTTING CIGAR WRAPPERS.

No. 305,859.

Patented Sept. 30, 1884.

Fig. 1.

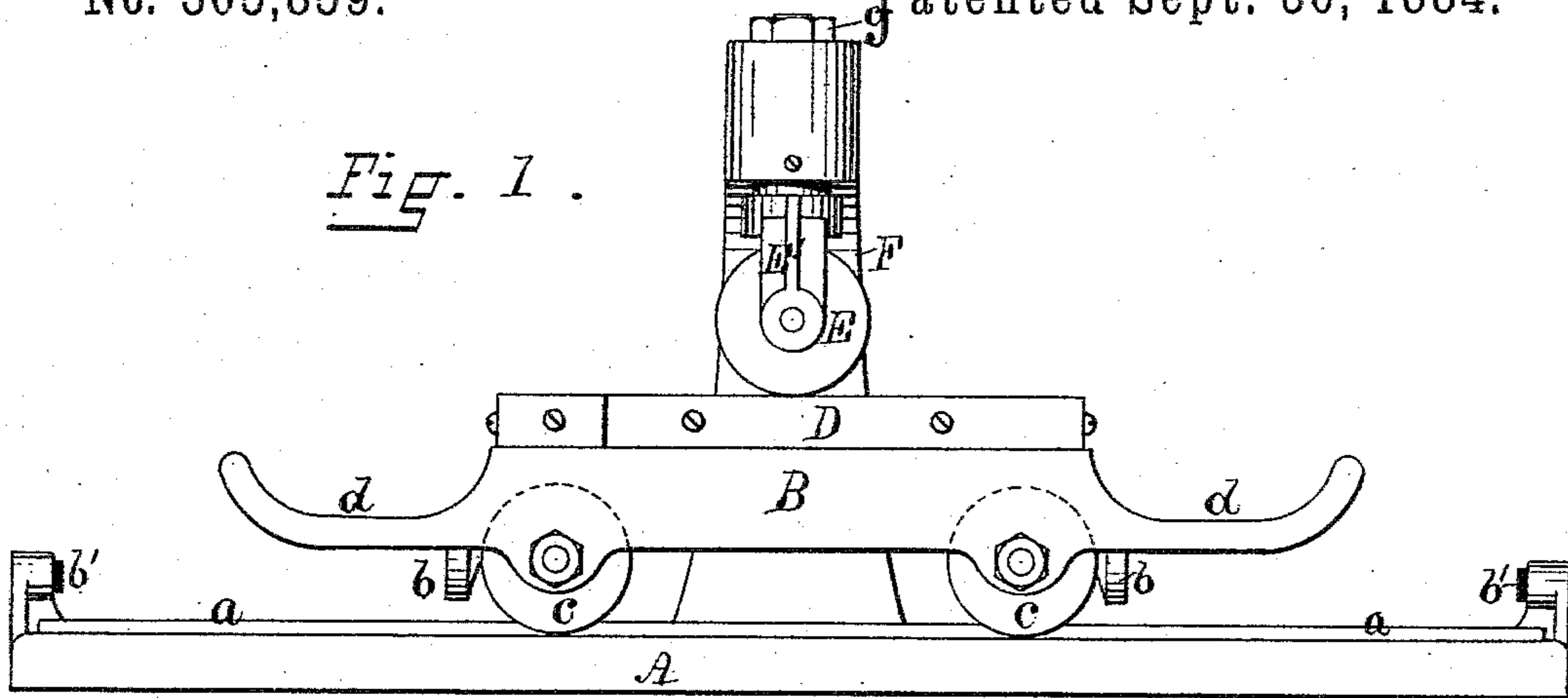


Fig. 2.

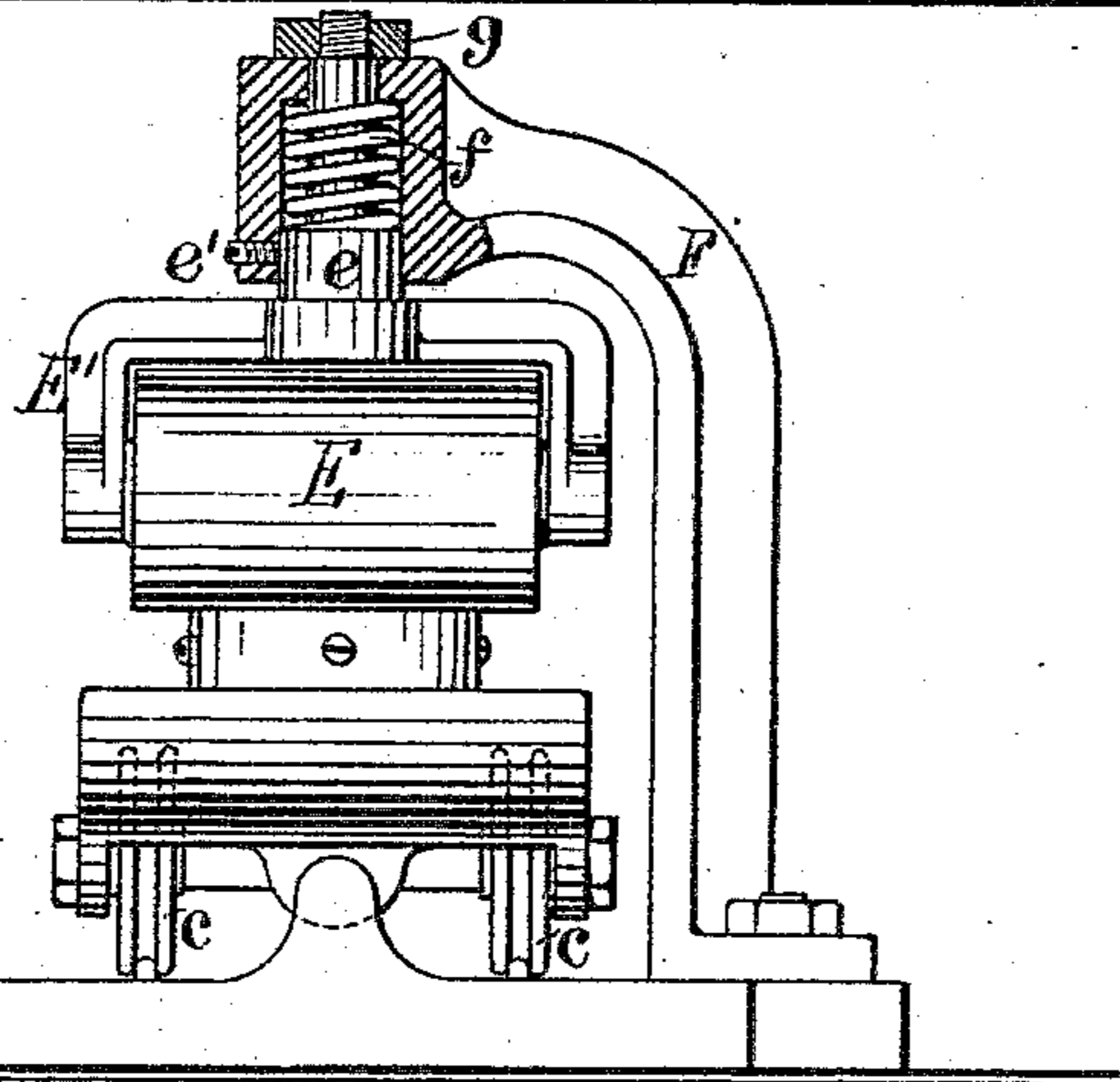
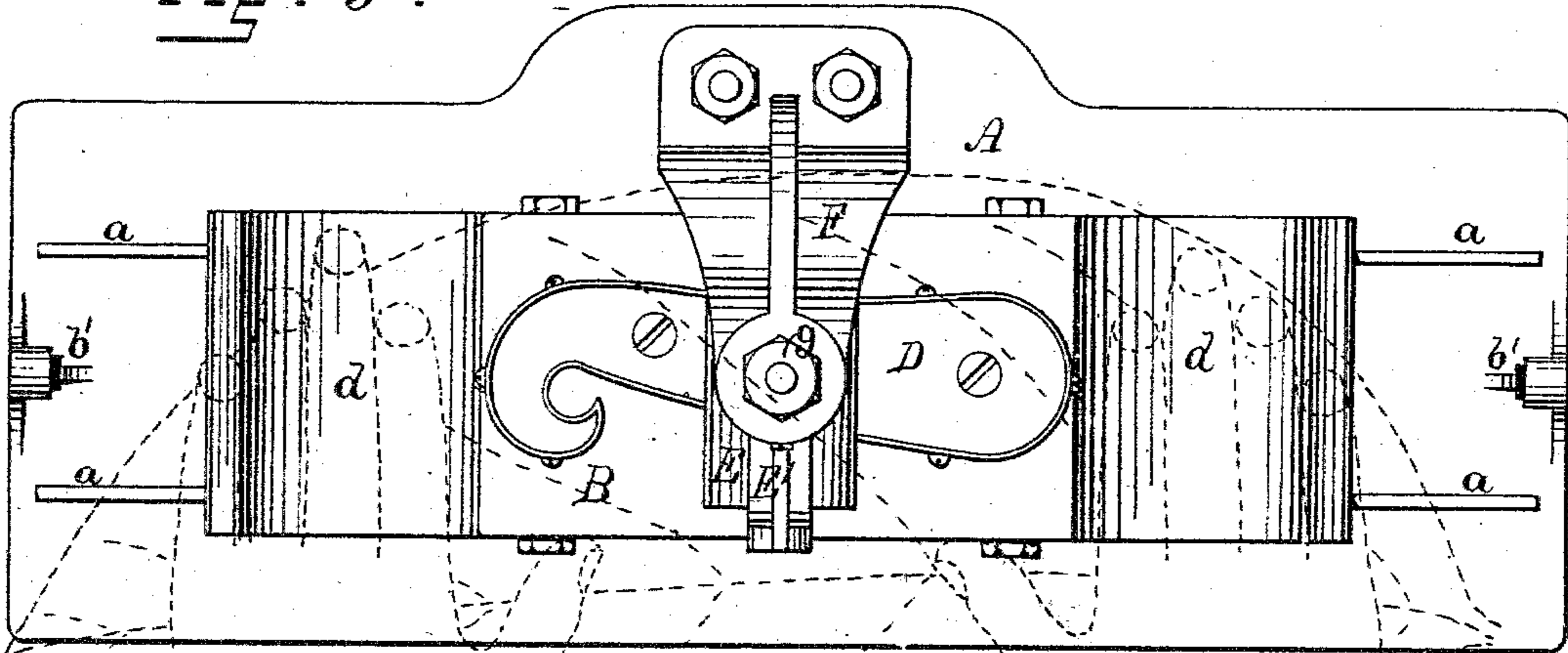


Fig. 3.



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# UNITED STATES PATENT OFFICE.

GEORGE W. TANNER, OF PROVIDENCE, RHODE ISLAND.

## MACHINE FOR CUTTING CIGAR-WRAPPERS.

SPECIFICATION forming part of Letters Patent No. 305,859, dated September 30, 1884.

Application filed September 24, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. TANNER, of the city and county of Providence, State of Rhode Island, have invented a new and useful Improvement in Machines for Cutting Cigar-Wrappers; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in machines or devices for cutting the wrappers for cigars; and it consists in the peculiar and novel construction of a carriage on which the peculiarly-shaped cutter-knife is fixed and a yielding pressure-roller under which the carriage is passed to cut the wrapper, as will be more fully set forth hereinafter.

In cutting the wrappers for cigars from the leaf the operative has to use his judgment in so placing the leaf that the best portions are used for the wrappers. It is therefore important that the operative should have a full view of the leaf and be able to place the same quickly on the knife in the most favorable condition.

Figure 1 is a front view of my improved device, showing the carriage under the roller. Fig. 2 is an end view, shown partly in section. Fig. 3 is a top view of the same.

In the drawings, A is a platform, provided with the rails *a a*, on which the carriage B is moved. The carriage is provided with the wheels C C, arranged to run on the rails *a a*. On each end of the carriage the buffers *b b* are placed, which, at each end of the traverse of the carriage, come in contact with the springs *b' b'*, by which the reciprocation is limited.

D is the cutter-knife, made in the form desired for the wrapper. This knife is firmly secured to the center of the carriage, and the ends of the carriage are provided with the curved handles *d d*, on which the hands of the operative rest, as is shown in Fig. 3. The fingers of the hand are placed on the leaf which extends over the cutter, so that the position of the cutter is clearly seen by the operative, and the leaf can be moved so that the wrapper will be cut at the most desirable places. The curved handles enable the hand to move the carriage in both directions.

E is a roller, made of rubber or other suitable material, by which the tobacco-leaf is pressed on the cutter-knife, so as to cut the leaf without injuring the edge of the knife. The roller E is journaled in the yoke E', which is provided with the stem *e*, supported in the bracket F, and held against rotation by the stop *e'*, which enters a groove in the stem *e*. The spiral spring *f* bears on the yoke E' and forces the roller E on the cutter D. This motion of the roller can be adjusted so as to be just sufficient to cut the leaf by means of the nut *g*, placed on the threaded end of the stem *e*.

The operation of this device is very simple. The operative places the tobacco-leaf on the carriage, presses both ends down, and moves the carriage under the roller. He now moves the leaf so as to place another portion over the cutter and returns the carriage to the first or starting place, having thus cut two wrappers with the whole leaf in view, and able quickly to move the leaf from place to place. The buffers *b b* and springs *b' b'* limit the motion of the carriage.

Although the construction shown is simple, yet I do not wish to confine myself to the exact construction, as practically the same result may be obtained by making the roller E of the length of or longer than the length of the cutter D and placing the same on a line with the length of the cutter. By now placing the rails *a a* in a direction at right angles to the direction shown the carriage can be moved inward and outward under the roller instead of from side to side.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with the carriage B and the cutter D, of the roller E, supported in the yoke E', provided with the stem *e*, and the spring *f*, constructed to exert a yielding pressure on the leaf to be cut, as described.

2. The combination, with the roller E, cutter D, and carriage B, of the buffers *b b* and springs *b' b'*, constructed to limit the motion of the carriage, as described.

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Witnesses:

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