

T. H. GREGORY.
Tobacco-Cutters.

No. 153,070.

Patented July 14, 1874.

Fig: 1.

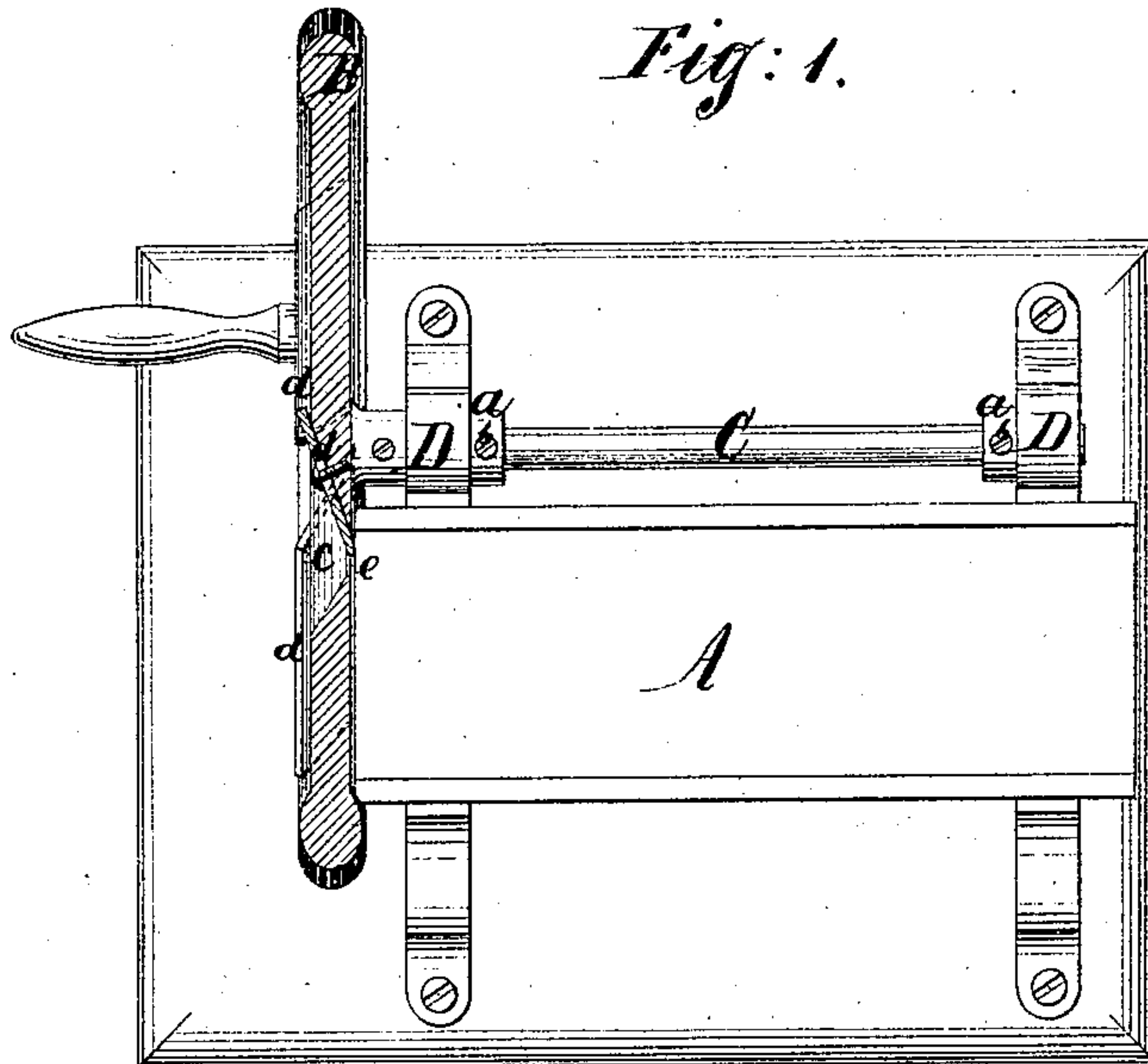
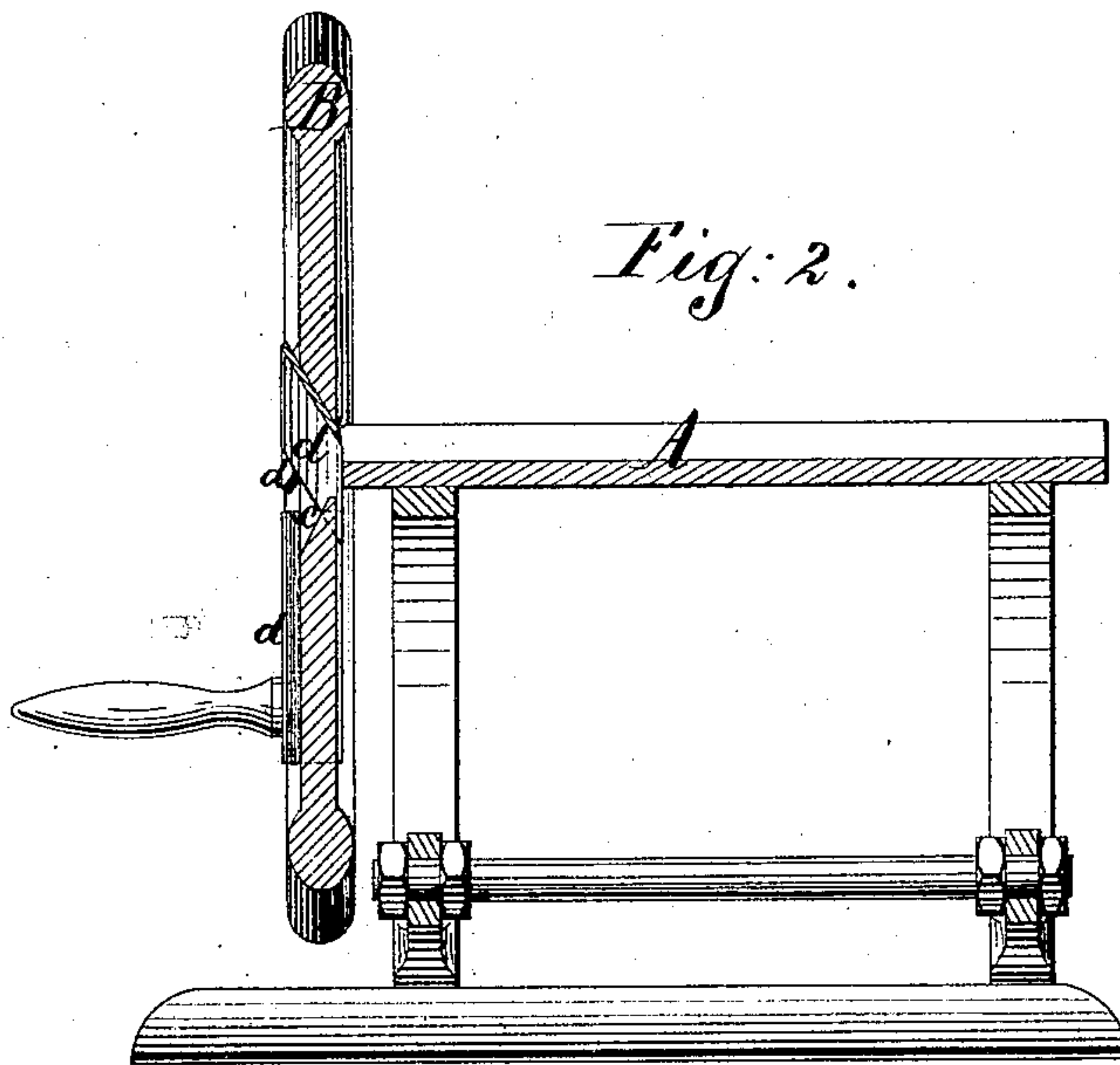


Fig: 2.



Witnesses:
Ernst Billhuber.
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per
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UNITED STATES PATENT OFFICE.

THOMAS H. GREGORY, OF NEW YORK, N. Y.

IMPROVEMENT IN TOBACCO-CUTTERS.

Specification forming part of Letters Patent No. **153,070**, dated July 14, 1874; application filed April 30, 1874.

To all whom it may concern:

Be it known that I, THOMAS H. GREGORY, of the city, county, and State of New York, have invented a new and useful Improvement in Tobacco-Cutters; and I do hereby declare the following to be a full, clear, and exact description of this invention, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a sectional plan or top view of this invention. Fig. 2 is a longitudinal vertical section of the same.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a solid wheel, carrying one or more knives and mounted on a shaft which has its bearings on the side of the feed-box and is adjustable in said bearings, the inner face of the cutter-wheel itself forming the gage which determines the size of the cut, in such a manner that a simple, cheap, and durable tobacco-cutter is produced, which can readily be set to any desired cut.

In the drawing, the letter A designates the feed-box, which is intended to receive the tobacco to be cut, and through which the tobacco is fed toward the cutter-wheel B. This wheel is mounted on a shaft, C, which has its bearings in boxes D secured to the side of the feed-box A, and which is held in position by collars *a* fastened thereon by set-screws *b*. By changing the position of these collars, the distance of the wheel B from the end of the feed-box can be regulated. The wheel B is solid, so that its inner surface presents a flat surface which forms the gage to determine the size of the cut. In the wheel are one or more cavities, *c*, the sides of which are inclined,

and to these inclined sides are secured the knives *d*, the cutting-edges of which project through slots *e*, so that said cutting-edges can be made to sweep closely past the inner end of the feed-box, and all that portion of the tobacco which projects beyond this inner end is cut off.

If the wheel B is moved back away from the inner end of the feed-box, the knives have to be adjusted accordingly, and the quantity of tobacco taken off by each cut is increased, and vice versa, the inner face of the wheel itself forming the gage against which the tobacco is brought to bear after each cut.

The simplicity of this machine is unsurpassed; it can be worked by hand or other power, and it enables every tobacconist to cut up his tobacco according to the dictates or desires of his customers.

My machine is intended particularly for cutting up plug-tobacco, but it can also be used for other kinds of tobacco.

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

In a machine for cutting tobacco, the combination, with the feed-box A, and a shaft, C, supported adjustably in boxes D by collars and set-screws *a b*, of the solid wheel B having inclined cavities *c* and slots *e* for the reception of the knives *d*, the inner surface of the wheel being a smooth plane surface, which, together with the front of the feed-box, forms a gage to determine the thickness of the cut, as herein shown and described.

THOS. H. GREGORY.

Witnesses:

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