W. H. PEASE.

Tobacco Cutter.

No. 30,929. Patented Dec. 18, 1860.

Fig. 2

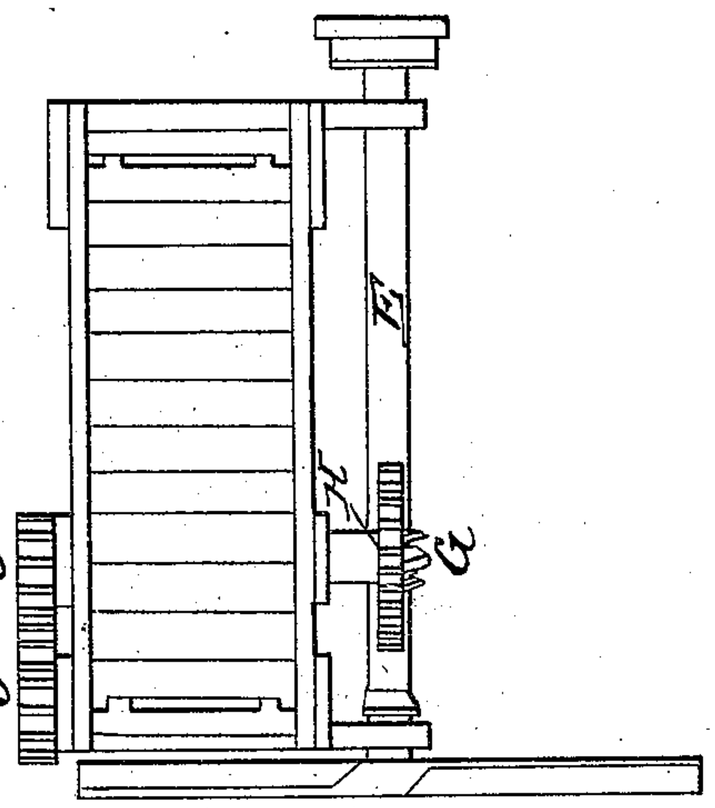


Fig. 3

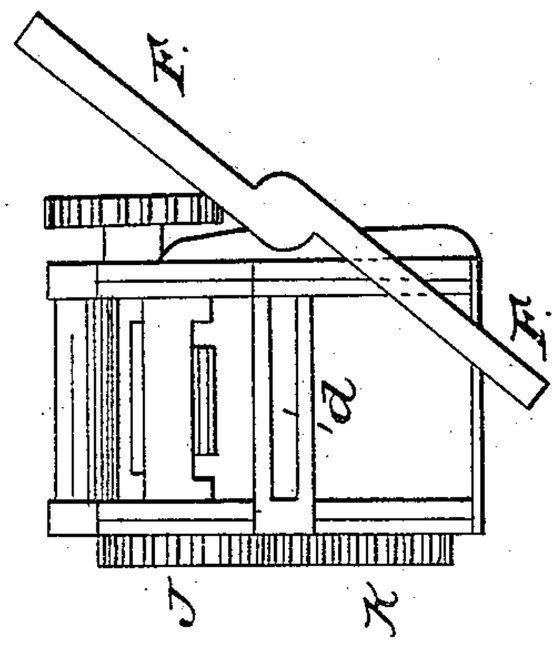
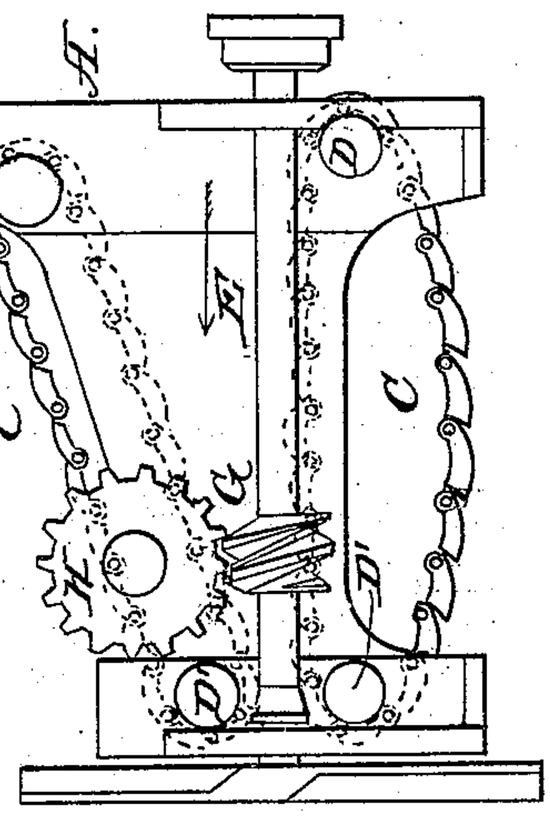


Fig. 1.



Witnesses
Arthur A. Yeatman
Milton M. Dow.

Inventor
W. H. Pease
by C. M. Alexander

UNITED STATES PATENT OFFICE.

W. H. PEASE, OF DAYTON, OHIO.

IMPROVEMENT IN TOBACCO-CUTTERS.

Specification forming part of Letters Patent No. **20,929**, dated December 18, 1860.

To all whom it may concern:

Be it known that I, W. H. PEASE, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Machines for Pressing and Cutting Tobacco; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing and arranging the several parts of this machine in the manner hereinafter described.

In the annexed drawings, Figure 1 is a side elevation of the machine. Fig. 2 is a plan view. Fig. 3 is a front elevation.

In the figures, A represents a substantial frame, constructed of any suitable size. Across this frame, and having their bearings in it, are secured four shafts or cylinders, D D D′ D′. The two cylinders which are placed near the front of the frame and marked D′ D′ are much nearer together than those placed across the rear of the frame, as is clearly seen in Fig. 1. C C′ represent two endless belts, which are made of metal or any other suitable material. These belts pass around the cylinders in the manner shown in full and dotted line, Fig. 1.

E represents a shaft, which is secured horizontally in bearing attached to the frame A. Upon this shaft are secured the revolving knives F F and the screw-thread G. The thread G works between the teeth or cogs upon the gear-wheel H, and serves to propel said wheel. The shaft upon which wheel H is secured lies across the frame A, and is provided at its other end with a gear-wheel, I, which works into a gear-wheel, J, upon the upper front cylinder, D′. The wheel J gears into a wheel, K, below it and upon the lower front cylinder, D′. When motion is given to the shaft E, it is communicated through the wheels H I J K to the endless belts C C′. These belts revolve in the direction of the arrow, Fig. 1. When tobacco is to be cut, it is placed between the two endless belts C C′, where they separate most widely. It is thence carried between the belts toward the throat *d*, (seen in Fig. 3,) and as the belts approach each other the tobacco is very compactly pressed before it reaches the throat. The tobacco is forced through the throat *d*, and as it passes through, the knives F F revolve and cut it as fine as may be desired. By increasing the number of knives upon the shaft E the tobacco will be cut finer.

By the use of the screw-thread upon the shaft E, I am enabled to press the tobacco with great power and make it very compact before it reaches the knives.

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

In connection with the endless belts C C′, arranged as described, and the throat *d*, the revolving knives F F and screw-thread G, the same being arranged and made to operate substantially as and for the purpose specified.

W. H. PEASE.

Witnesses:

WALT. B. PEASE,
U. J. COMSTOCK,
A. A. YENTMAN.