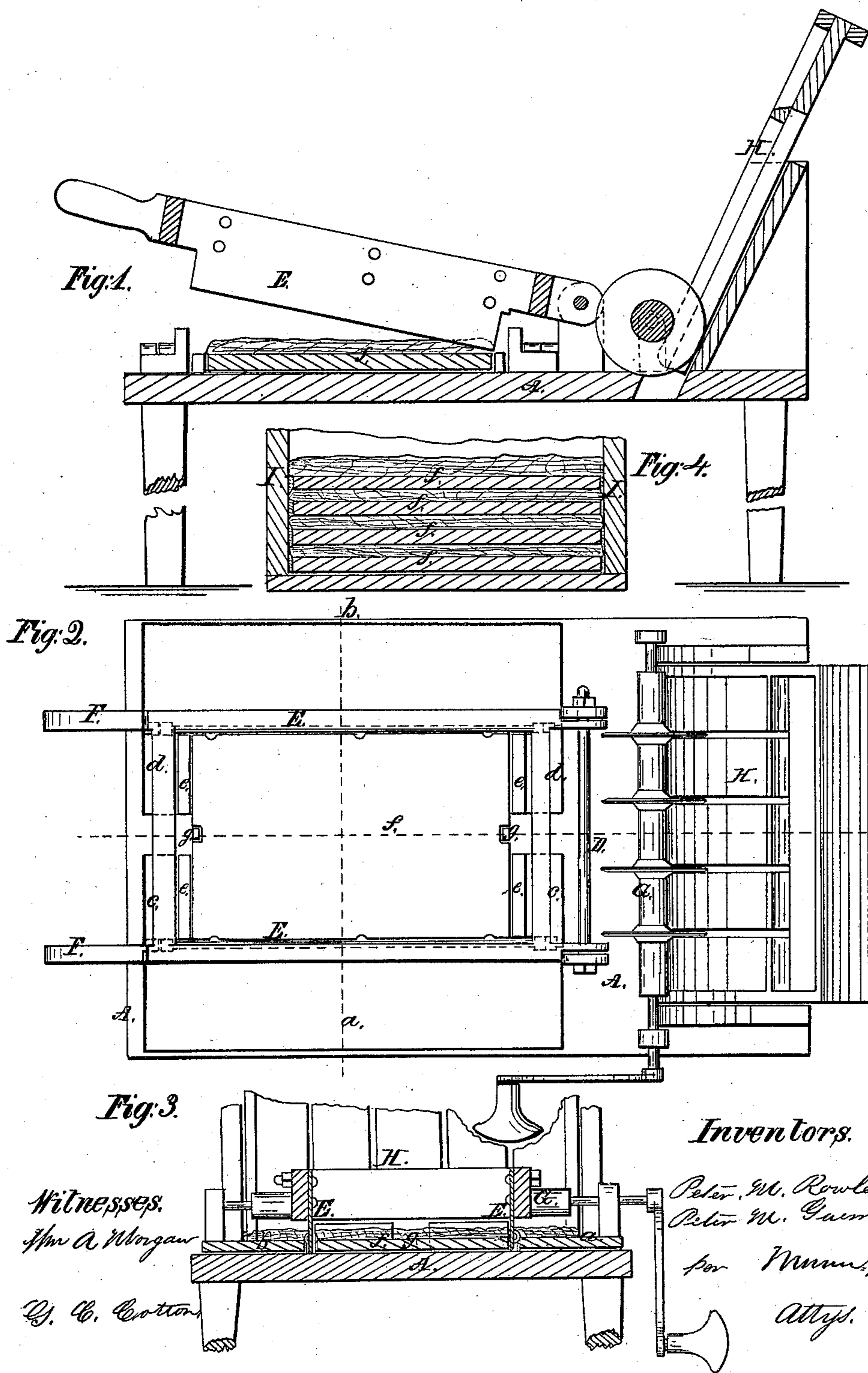


Guerrant & Rowlett.

Mach. for Making Plug Tobacco.

N^o 86,748.

Patented Feb. 9, 1869.



United States Patent Office.

PETER M. GUERRANT AND PETER M. ROWLETT, OF NEW CONCORD, KENTUCKY.

Letters Patent No. 86,748, dated February 9, 1869.

MACHINE FOR CUTTING TOBACCO-PLUGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, PETER M. GUERRANT and PETER M. ROWLETT, of New Concord, in the county of Calloway, and State of Kentucky, have invented a new and improved Machine for Making Plugs of Tobacco; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The nature of this invention relates to improvements in apparatus for forming tobacco into plugs.

The object of the invention is to provide a machine, whereby the same can be accomplished more cheaply and in a better manner.

It consists in the arrangement, upon a table, of a trimming-bed, a portion of which is movable, in combination with trimming-cutters, whereon the leaves or strips are laid in suitable thicknesses to form the sheets, and trimmed to the proper shape, and from which they are moved on the said movable portion of the bed, to a press, to be pressed into sheets; also in an arrangement of sliding table and rotating cutters, for cutting the said sheets into plugs, as will be more fully described on reference to the drawings, wherein—

Figure 1 represents a longitudinal sectional elevation of our improved trimming and cutting-apparatus;

Figure 2 represents a plan view of the same;

Figure 3 represents a transverse section; and

Figure 4 represents the method of arranging the tobacco to be pressed into sheets.

Similar letters of reference indicate corresponding parts.

A represents a table, provided with a trimming-bed, of which the parts *a* and *b* are hinged to the parts *c* and *d*, which are rigidly secured to the table, and provided with the vertical projections *e*.

The part, *f*, of the trimming-bed is detachable from the other portions of the same, and from the table. It is maintained in its proper position between the parts *a* and *b*, and *c* *d* and *c* *d*, by the studs *g*², projecting vertically from the table, through recesses in each end of the same, the width being such as to provide spaces between it on each side and the parts *a* and *b*.

B represents a swinging frame, supported on the axial bolt D, and provided with knives E and handles F, and arranged so that the knives will work into the recesses between the parts *f* and *a* *b* of the bed.

G represents a crank-shaft, provided with a series of circular cutters, and

H, an inclined sliding and grooved table, the grooves or slots being arranged in coincidence with the cutters, which are arranged at regular distances apart on the said shaft.

I represents a strong box, which for convenience may be provided with one swinging side, wherein the tobacco is placed in layers to be pressed.

The tobacco to be formed into plugs, is spread in sheets or leaves on the trimming-bed, between the vertical projections *e*, in suitable amount, when the cutters E are brought down by the operator, trimming off the same against the edges of the part *f* of the bed. The knives are then raised, and that part of the tobacco which has been trimmed off and lies on the hinged parts *a* and *b*, is turned over on the central portion on the part *f* of the bed, which is now removed, with the tobacco thereon, to the box I, and another similar removable part *f* of the bed put in place on the table, and the operation proceeded with until the box is filled, a suitable number of the parts *f* of the bed being provided. When the said sheets have been suitably condensed in the said box, by pressure under a press, they are removed, and placed, one by one, on the sliding table H, and forced down past the circular cutter, by which they are separated into plugs, and are delivered into a proper receptacle under the table.

We claim as new, and desire to secure by Letters Patent—

1. The trimming-bed, constructed substantially as and for the purpose described.

2. The combination, with the trimming-bed, of the vibrating cutting-frame and cutters, substantially as and for the purpose described.

3. The combination, with the rotating cutters, of the inclined slotted table, when arranged substantially as and for the purpose described.

4. The combination, with the trimming-apparatus, of the apparatus for separating the sheets into plugs, substantially as and for the purpose described,

5. The combination, with a trimming-apparatus, substantially as described, of a pressing-case, I, substantially as and for the purpose set forth.

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Witnesses:
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A. J. KIRKLAND.