

J. H. PAWLING.
Machine for Booking Tobacco-Leaves.

No. 226,778.

Patented April 20, 1880.

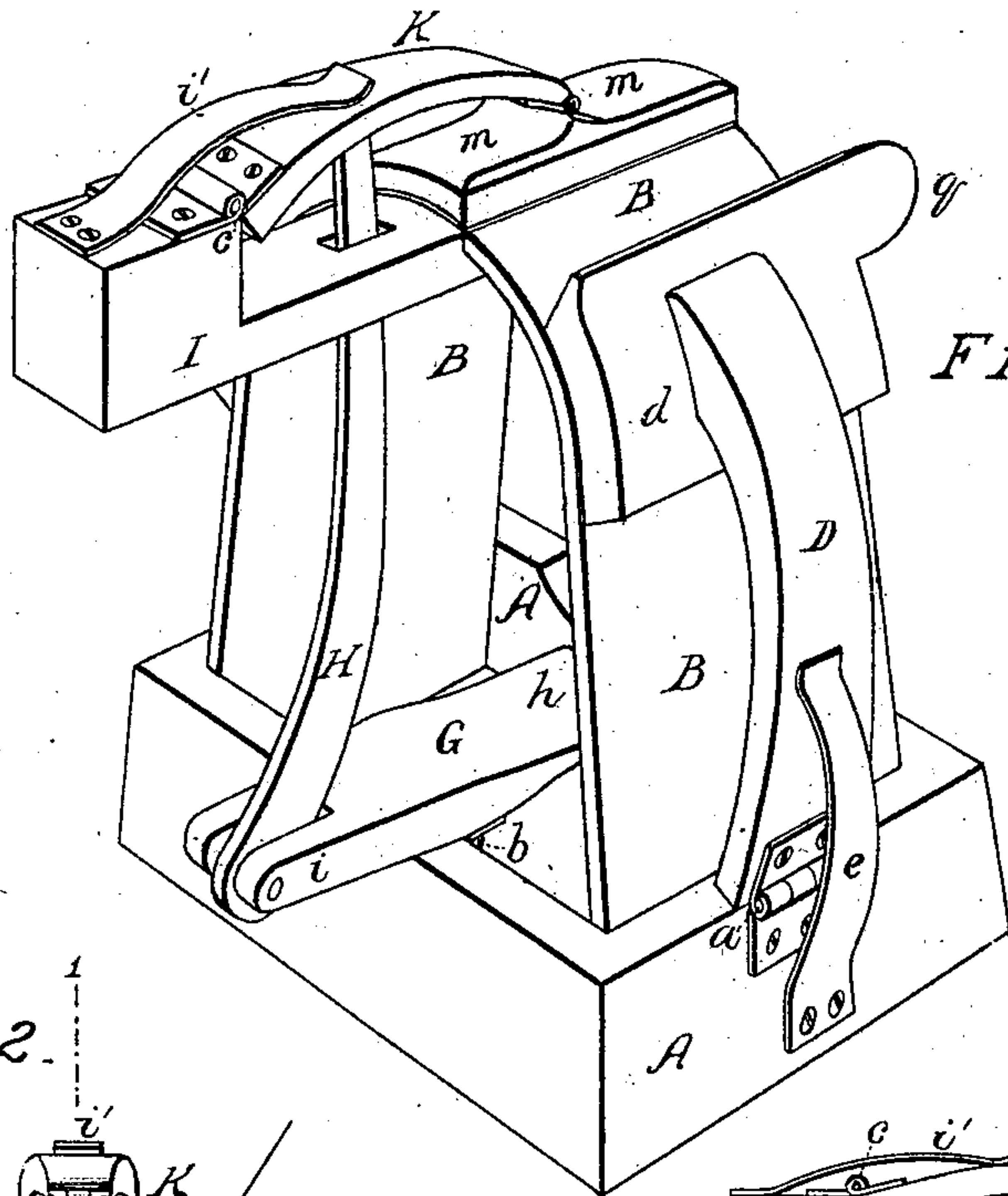


FIG. 1.

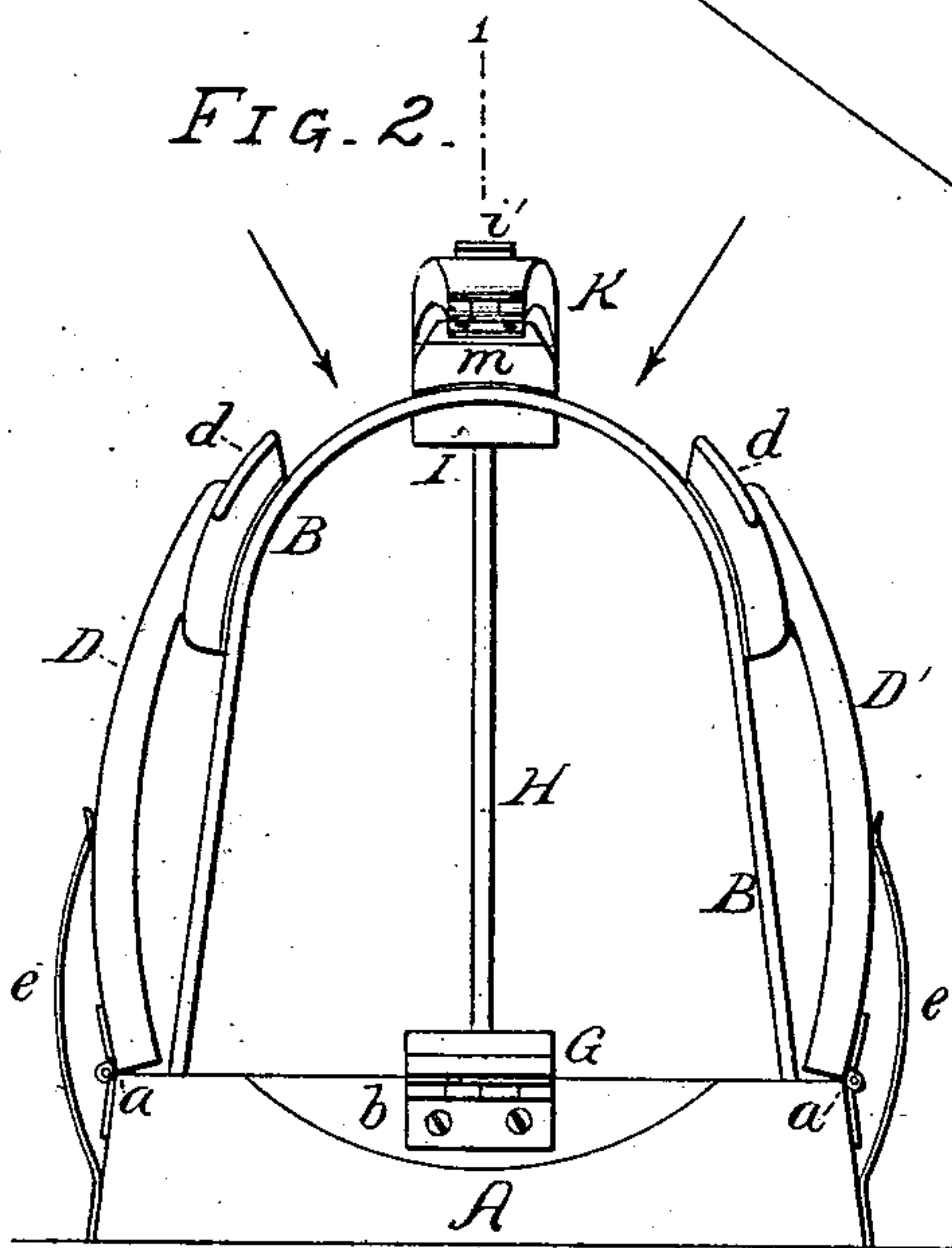


FIG. 2.

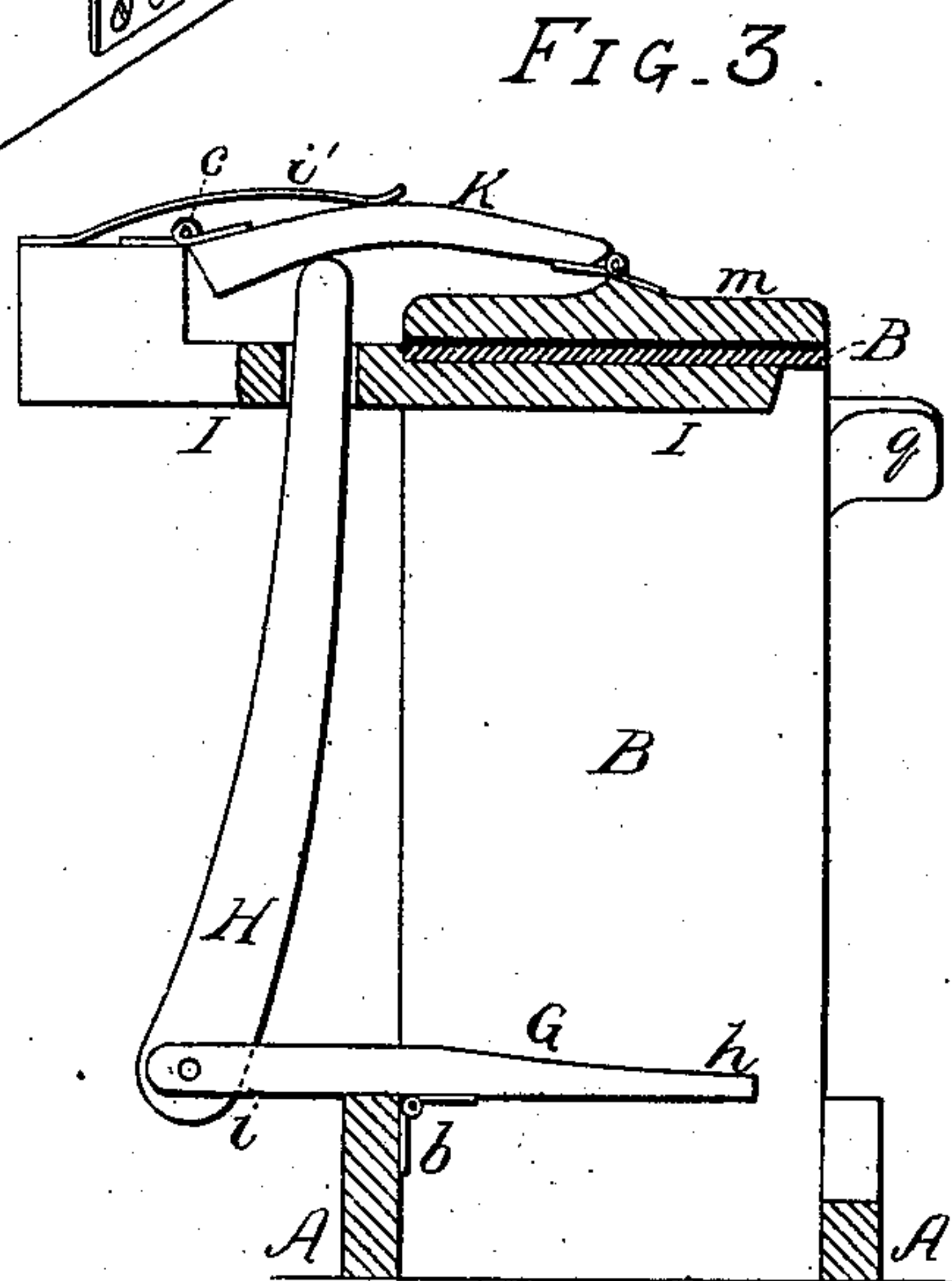


FIG. 3.

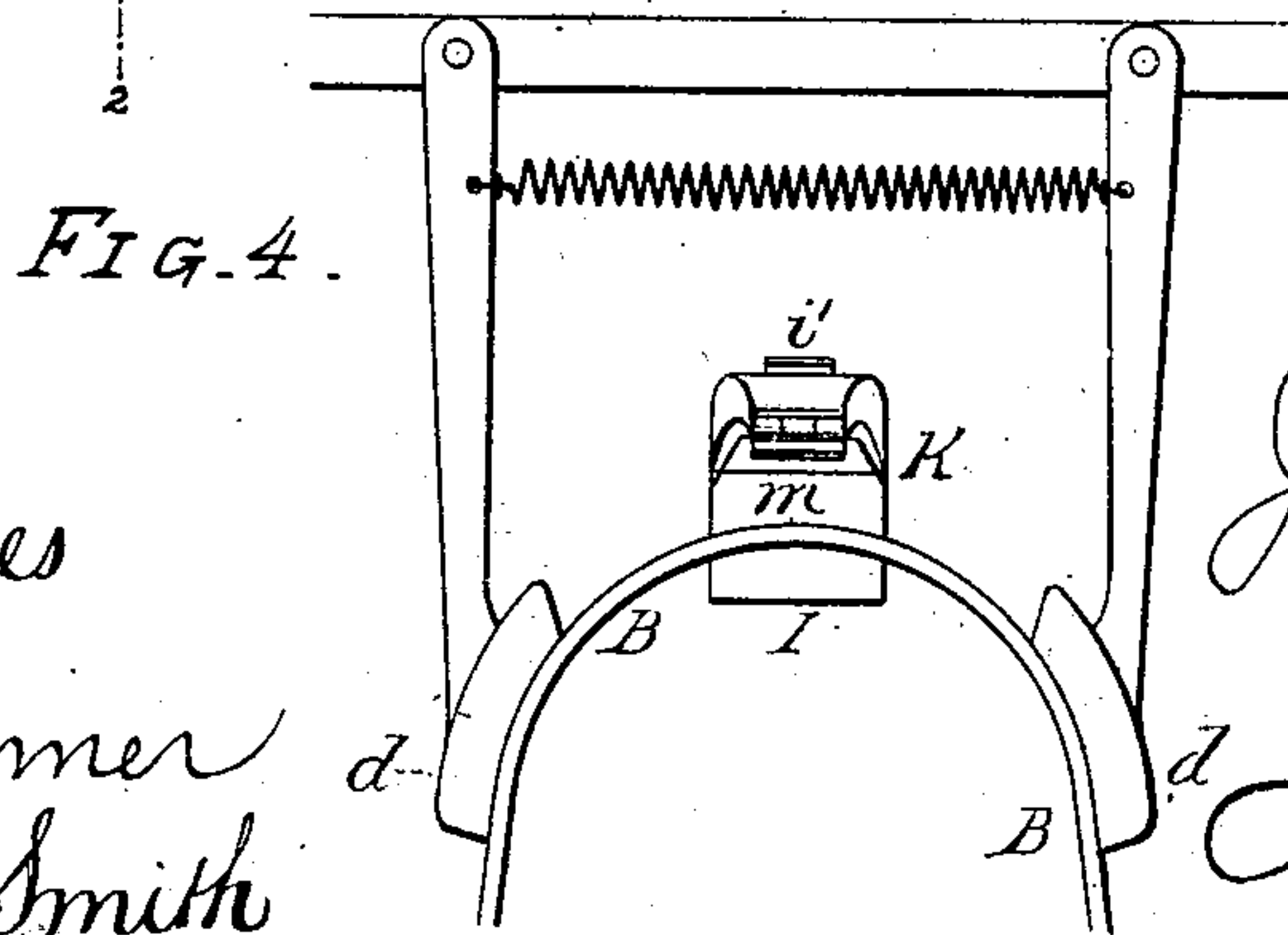


FIG. 4.

Witnesses
J. McDeemer
Harry Smith

Inventor
Joseph H. Pawling
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

JOSEPH H. PAWLING, OF PHILADELPHIA, PA., ASSIGNOR OF ONE-FOURTH
OF HIS RIGHT TO J. B. HEIL AND A. WAGNER, OF SAME PLACE.

MACHINE FOR BOOKING TOBACCO-LEAVES.

SPECIFICATION forming part of Letters Patent No. 226,778, dated April 20, 1880.

Application filed February 6, 1880.

To all whom it may concern:

Be it known that I, JOSEPH H. PAWLING, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Machines for Booking Tobacco-Leaves, of which the following is a specification.

The object of my invention is to facilitate the process of "booking" tobacco-leaves—that is,
10 their reduction to a proper unwrinkled condition preparatory to their use as wrappers for cigars; and this object I attain in the manner and by the appliances too fully explained hereinafter to need preliminary description.

15 In the accompanying drawings, Figure 1 is a rear view, in perspective, of the machine for preparing tobacco-leaves; Fig. 2, a front view; Fig. 3, a vertical section on the line 1 2, and Fig. 4 a modification of my invention.

20 To a suitable base, A, is secured the arched frame B, which may be formed by bending a strip of appropriate wood, or it may be otherwise constructed, as the judgment of the manufacturer may suggest.

25 D and D' are two arms, each hinged to the base at a, and each having at its upper end a pad, d, which is of the same width as the arched frame, and which is caused to bear against the same by a spring, e, secured at its
30 lower end to the base and bearing with its upper end against the arm.

A lever, G, is hinged to the base at b, one arm of this lever projecting forward so as to form a treadle, h, for the foot of the operator,
35 and to the rear arm, i, is hinged the lower end of the rod H, which passes through and is guided by a slot in a bar, I, secured to the under side of the arched frame, the upper end of the rod bearing against the under side of the
40 arm K, which is hinged to the bar I at c, and against which bears a spring, i', a pad, m, which is about as long as the arched frame is wide, being pivoted at its center to the end of the said arm.

45 The operator, seated in front of the machine, takes a leaf of moistened tobacco from a pile within reach, depresses the treadle h with his foot, and thereby raises the pad m, and carefully adjusts the leaf and smooths it down on

the arch at a point midway, or thereabout, be- 50
tween its opposite ends, after which he releases the pad by removing his foot from the treadle. The leaf being now confined at or
about its middle to the top of the arched frame by the pad m, the operator applies the 55
outer edges of his open hands to the leaf, one hand on each side of the pad, but clear of the same, as indicated by the two arrows in Fig. 2, and while pressing the leaf against the arch moves his hands downward. The pads 60
d d will yield to the hands and permit them to continue their downward movement while they smooth and press the leaf against the curved sides of the arch, and this movement is continued until the hands pass the lower edges of 65
the pads, when the latter, owing to the springs e e, will confine the leaf to the arch. Leaf after leaf may be thus applied to the arch, one leaf on another, and the leaves may be removed after they have been long enough under confinement on the arch to be in a condition for cutting into strips for cigar-wrap- 70
pers.

The front edge of each pad d is furnished with a projection, q, so that as the hands 75
smooth down the leaf against the arch the arms of the operator will strike the projections q, and thereby elevate the pads, and permit the hands to pass under the same, the upper edges of the pads being by preference 80
beveled, so as not to strike the knuckles.

It is not essential in carrying out my invention to adhere to the precise construction of parts described above. The pads d d, for instance, may be attached to arms having such 85
inherent elasticity that the springs e e may be dispensed with; or the pads may be attached to arms suspended from a frame carried up from the base A, as shown in Fig. 4.

Devices other than those described, and 90
which will readily suggest themselves to an expert mechanic, may be used for raising the upper spring-pad, which, however, should, by preference, be pivoted, so that it will accommodate itself to the inequalities of a pile of 95
leaves.

I claim as my invention—

1. The combination of the arched frame B

and the yielding presser-pads *d d* with the upper presser-pad, *m*, and devices for operating the same, substantially as described.

2. The combination of the arched frame B,
5 the lever G, the spring-arm K, connected to the said lever, and the pad *m*, pivoted to the said arm, all substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH H. PAWLING.

Witnesses:

JAMES TOBIN,
HARRY SMITH.