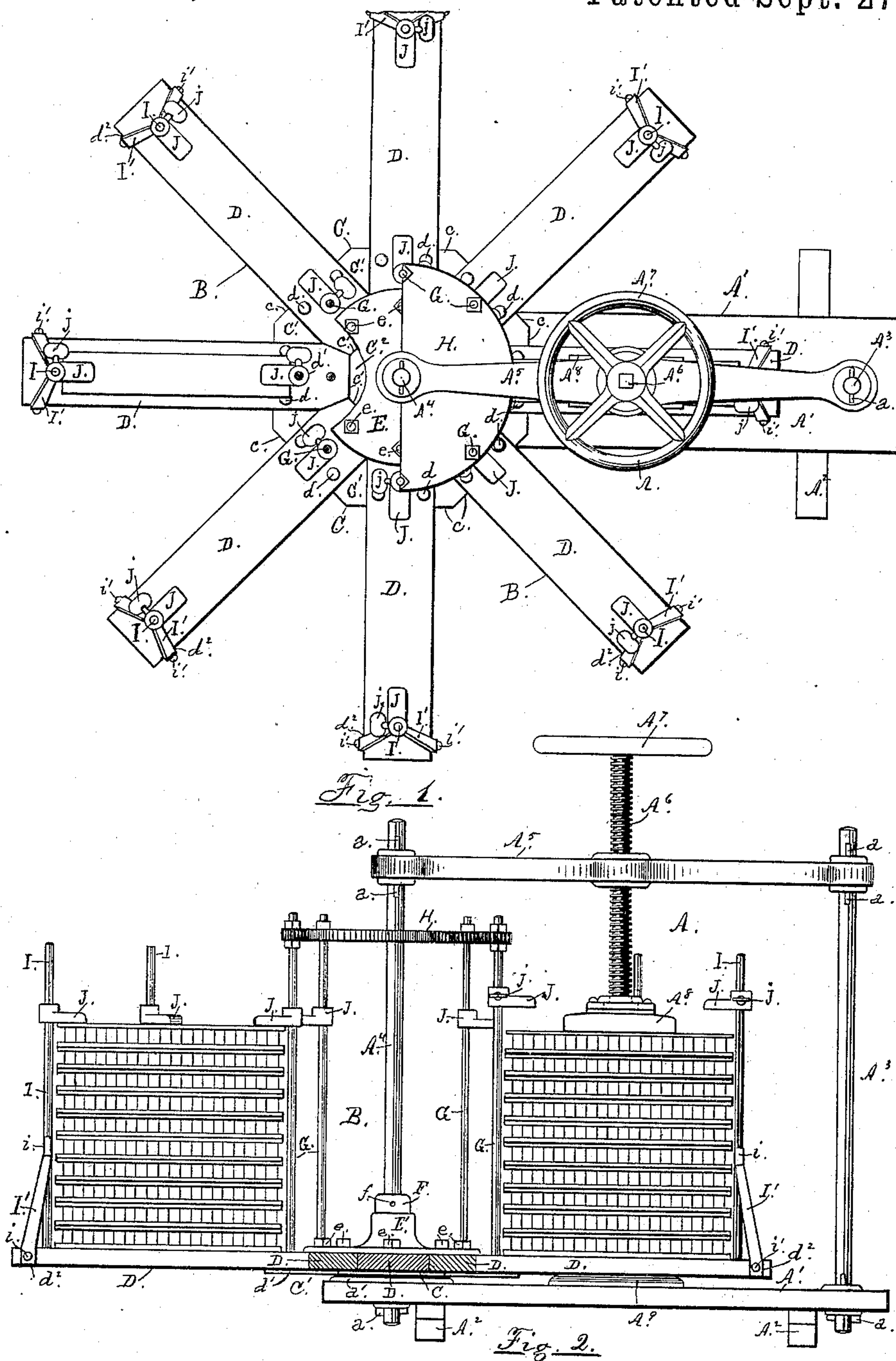


(No Model.)

H. K. WEAVER.  
CIGAR MOLD PRESS.

No. 370,579.

Patented Sept. 27, 1887.



Witnesses:

David H. Herr.  
J. H. Kulp

Inventor:

Henry K. Weaver

By

J. H. Kulp & Co.

Attorneys



# UNITED STATES PATENT OFFICE.

HENRY K. WEAVER, OF SILVER SPRING, PENNSYLVANIA.

## CIGAR-MOLD PRESS.

SPECIFICATION forming part of Letters Patent No. 370,579, dated September 27, 1887.

Application filed June 2, 1887. Serial No. 240,017. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY K. WEAVER, of Silver Spring, in the county of Lancaster and State of Pennsylvania, have invented certain  
5 new and useful Improvements in Cigar-Mold Presses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and  
10 use the same.

I have invented a new and useful device for pressing cigar-bunch molds and clamping them in single or double sets, as desired.

My invention relates to that class of presses  
15 for cigar-molds operated by a clamping screw or screws.

The said invention has for its object to make this class of mechanism more efficient and satisfactory.

20 To this end it consists in the construction and combination of devices hereinafter particularly set forth, and claimed.

In the accompanying drawings, similar letters refer to similar parts throughout the several views.  
25

Figure 1 is a top or plan view of my device, half of the clamp-circle and a portion of the arm-binding plate being removed to show the inner ends of the arms. Fig. 2 is an elevation of Fig. 1, the forward arms being removed,  
30 being cut across where they meet, showing their rear portions in cross-section.

A properly-constructed frame, A, supports the device. This frame consists of a base-plate, A', resting on two cross-pieces or feet, A<sup>2</sup>, and two vertical columns, A<sup>3</sup> and A<sup>4</sup>, supporting longitudinally a horizontal beam, A<sup>5</sup>. The extremities of these columns are fastened into the ends of the beam and base-plate by keys a,  
35 the column A<sup>4</sup> having attached, near its lower end, a collar or washer, a', which, resting on the base-plate, forms a bearing on which turns the clamp-rack, to be hereinafter described. The horizontal beam A<sup>5</sup>, being widened at the  
45 center, has vertically through it a hole furnished with a suitable thread, in which operates an ordinary square-threaded press-screw, A<sup>6</sup>, having attached to its upper end a hand-wheel, A<sup>7</sup>, and swiveled to its lower end a  
50 press-block, A<sup>8</sup>, of proper size and shape. On top of the base-plate A', in its center, imme-

diately under the press-screw, is a block, A<sup>9</sup>, of proper depth, which supports the arms of the clamp-rack when the molds receive the action of the press in process of clamping.  
55

A clamp-rack, B, which turns around the column A<sup>4</sup>, is constructed as follows: A casting, C, of proper size, has a base-plate or flange, C', having eight equal sides or edges, c, and a central portion, C<sup>2</sup>, having eight equal verti-  
60 cal faces, c', being parallel to the edges c for the base of the clamp-rack, on this flange C'. Abutting against the vertical faces c' are placed radially with the center eight rectangular arms, D, properly shaped at their inner ends to fit  
65 compactly together, and fastened to the casting C by bolts d. Over all and in size extending to the point of junction of the arms D is placed a circular plate, E, having at its center an upwardly-extending hub, E', and bolted  
70 to the casting C by bolts e, which pierce the inner ends of arms D, making a compact base for the clamp-rack, being in form like a rimless wheel, having eight spokes. A collar, F, placed above the hub E' and fixed by a pin,  
75 f, to the column A<sup>4</sup>, holds the wheel in place while the rack B is in operation.

At d', and through the arms D, are tapped into the flange C' eight rods, G, placed vertically, their upper ends piercing a circular  
80 guide-plate, H, of sufficient diameter to maintain said rods in a perpendicular position, and attached firmly to it by nuts d', placed above and below. At a distance outward from d'  
85 sufficient to receive freely the length of the mold-blocks are fastened into the arms D eight similar rods, I, somewhat shorter than the rods G. Attached to them at i are braces I', which, extending diagonally downward, are fastened against the sides of the arms D at d<sup>2</sup>  
90 by screws i'. On said rods G and I slide freely clamp lugs or jaws J, extending longitudinally inward and adjustable as to height by means of thumb-screw j, placed right and left in said jaws.  
95

The operation of my invention is as follows: An arm D of the clamp-rack B having been brought in position on the block A<sup>9</sup> under the press-block A<sup>8</sup>, a number—say two sets—of  
100 molds containing cigar-bunches placed longitudinally thereon, the press-block A<sup>8</sup>, properly guided, is brought firmly downward by



the press-screw A<sup>6</sup>, being turned by means of the hand-wheel A<sup>7</sup>, till the bunches in the molds are sufficiently pressed. The molds are clamped in place by bringing the clamp-jaws J on the rods G and I down on the molds, and fastened by means of their respective thumb-screws. The hand-wheel being turned in the reverse direction, the press-block A<sup>8</sup> will be lifted from the molds, the clamp-jaws J holding them. The loaded arm may then be turned away and the same operation performed on a succeeding arm. It will be readily seen that, continuing the above operation till all the molds on each of the arms D are similarly treated, sixteen sets of molds or bunches for sixteen hundred cigars will be clamped.

Having thus fully described my invention and its operation, what I desire to claim, and wish to secure by Letters Patent of the United States, is as follows:

1. In combination with a press frame and

screw, a series of rotary arms, said arms being attached to a head, and being provided with clamps for holding the molds of cigars after they are pressed, said arms being arranged to turn successively under the said screw, for the purpose set forth. 25

2. A rotary series of radial arms, D, each provided with vertical rods G I, in combination with tobacco-mold clamps J, arranged on said rods, a pillar, A<sup>4</sup>, on which said arms turn, a press-frame, A, and a press-screw, A<sup>6</sup>, provided with a block, A<sup>8</sup>, said arms turning successively under said screw and block, substantially as set forth. 30 35

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

HENRY K. WEAVER.

Witnesses:

D. W. KULP,

W. J. FORDNEY.