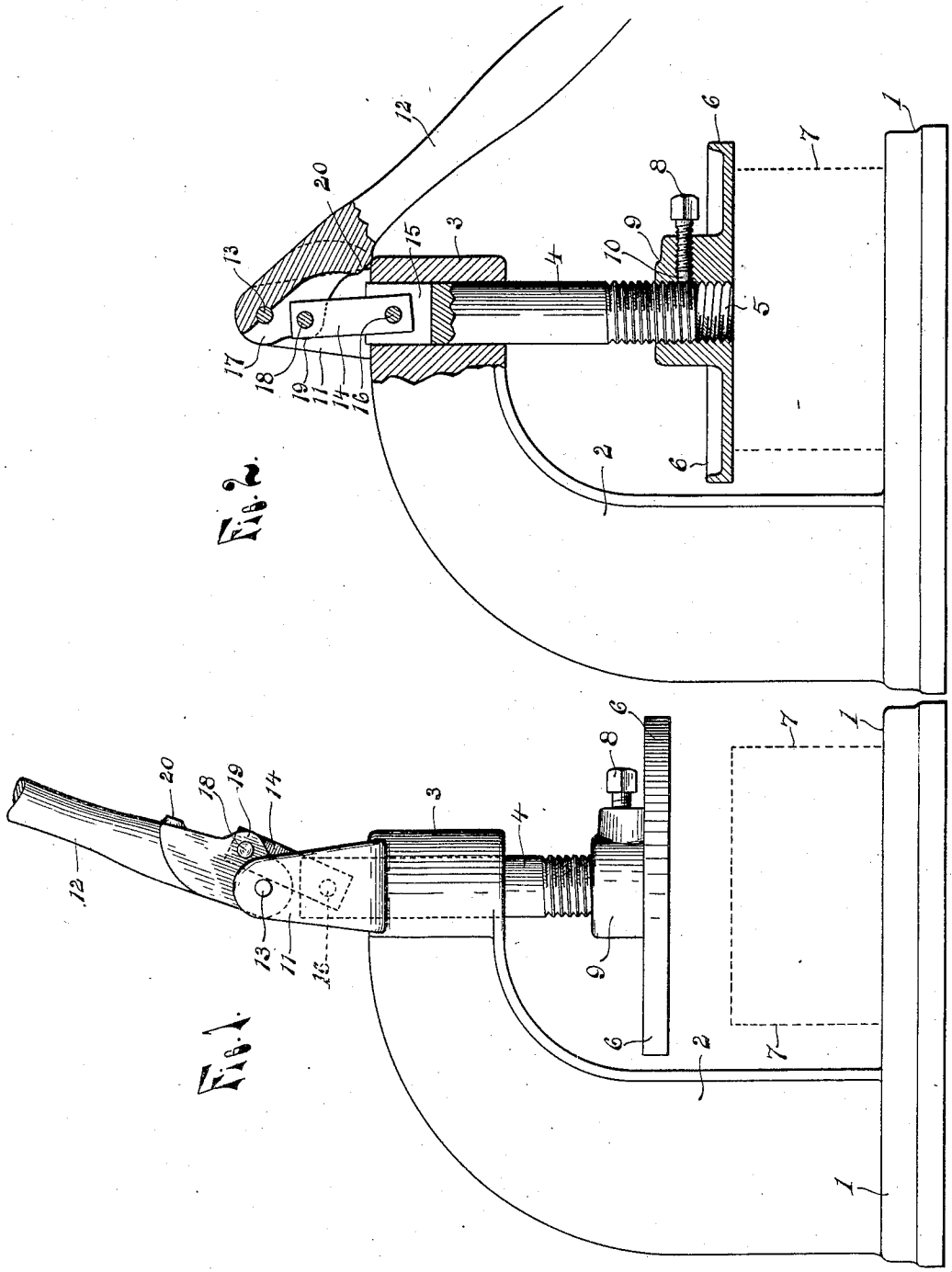
No. 789,906. PATENTED MAY 16, 1905.

A. GORDON.

PRESS FOR CIGAR MOLDS, &c.

APPLICATION FILED AUG. 13, 1904.



WITNESSES.

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No. 789,906. Patented May 16, 1905.

UNITED STATES PATENT OFFICE.

ALEXANDER GORDON, OF DETROIT, MICHIGAN.

PRESS FOR CIGAR-MOLDS, &C.

SPECIFICATION forming part of Letters Patent No. 789,906, dated May 16, 1905.

Application filed August 13, 1904. Serial No. 220,592.

To all whom it may concern:

Be it known that I, ALEXANDER GORDON, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Presses for Cigar-Molds, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in presses for cigar-molds; and its object is to provide a simple, cheap, and convenient hand-press which is easy to operate and the lever mechanism of which is arranged so as to form a lock for holding the parts in position to which they are moved when the mold is compressed and also to provide certain other new and useful features and the particular arrangement and combination of parts, all as more fully hereinafter described, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a device embodying the invention; Fig. 2, a vertical section of the same.

As shown in the drawings, 1 is a base, and 2 a suitable supporting-bracket integral with and extending upward from the base, the upper end of said bracket being curved laterally over the base and provided with a vertical socket 3 to receive a vertically-movable plunger or pressure-rod 4, which is screw-threaded at its lower end to engage a screw-threaded axial opening 5 in a pressure head or disk 6, adapted to engage the cigar-mold (indicated by the dotted lines 7) placed upon the base beneath said head.

By turning the head 6 it may be adjusted up or down on the rod 4 to increase or diminish the pressure with which it will engage a mold of a given thickness with a given throw or movement of the rod, so that a mold of any suitable thickness may be used and a certain pressure put upon each by adjusting the head on the rod.

When molds of the same thickness are used or the same mold, it is desirable to maintain the same adjustment of the head, and to prevent the head from turning a set-screw 8 is provided which engages a screw-threaded opening in the hub 9 of the head and when turned in forces a block 10, of copper or other suitable material, interposed between the end of the set-screw and the threaded end of the rod 4, into engagement with the threads on said rod, and thus prevents the head from turning. The block 9 being of soft metal prevents injury to the threads.

Extending upward from the socket 3 at each side of the pressure-rod are the ears 11, between which a lever-handle 12 is pivoted at 13, and a link 14 is pivotally attached at its lower end to the upper end of the pressure-rod by slitting said rod longitudinally a short distance at 15 to receive the link and providing a pivot-pin 16, which extends through holes in the ears thus formed on the rod and through an opening in the link. The lever-handle is cut away or provided with a groove 17 at its lower side near its pivot to receive the upper end of the link, which is pivoted therein by a pin 18 extending through a hole in the link and through openings in the ears 19, formed on the handle at each side of the groove. The pivot 18 is a short distance to one side of the pivot 13 and so located that when the rod 4 is raised to the upper end of its stroke the handle will be in substantially a vertical position, as shown in Fig. 1, and the link will engage the bottom of the groove 17, which thus forms a stop to limit its further movement, and when said rod is lowered to the lower end of its stroke the pivot 18 will have just passed a vertical line extending through the pivots 13 and 16, and thus the upward pressure on the head acting on the pivot 18 through the link exerts a force to hold the handle down, with its projecting stop 20 firmly in contact with the bracket. Said stop 20 prevents the pivot 18 from passing the center line so far that the head will begin to rise, and thus relieve the pressure on the mold and also make it hard to raise the handle to release the mold. The stop also prevents the handle from contacting the pressure-head, thus obviating the danger of injury to the hand of the operator, and the handle being formed

with the groove to receive the upper end of the link forms a cap covering the upper end of said link.

Having thus fully described the invention, what I claim is—

1. The combination with a base and a bracket on said base having a vertical opening, of a vertically-movable rod in said opening having a slotted upper end, a head adjustably secured to the lower end of said rod, ears extending upward from said bracket at each side of said rod, a handle-lever pivotally secured between said ears and formed with a groove at its lower side near said pivot, ears on the lever-handle at each side of the groove between its pivot and its handle portion, and a link pivoted at one end in the slot in the upper end of the vertically-movable rod and at its opposite end between the ears on the handle so that when said handle is raised to substantially the vertical position the link will engage the bottom of said groove and limit its movement.

2. The combination of a base, a bracket on said base extending upward therefrom and curved laterally, and provided with a vertical opening in its end, a vertically-movable rod in said opening provided with a slot at one end and screw-threaded at the opposite end, a disk provided with an axial hub having a screw-threaded opening to receive the end of the rod and a screw-threaded opening in the side of the hub, a block in the opening in the side of the hub, a set-screw to engage and move the block into engagement with the screw-threads on the rod, upwardly-extending ears on the end of the bracket, a lever-handle pivoted between said ears at one end and provided with a groove in its under side adjacent to said pivot, ears on the handle at each side of the groove between the pivot and the grip portion of the handle, a link pivoted at one end in the slot of the rod and at its opposite end between the ears on the handle at such a distance to one side of the pivot of the handle that when the handle is in its lowest position the point of attachment of the link to the handle will have passed a line drawn through the pivot of the handle and the point of attachment of the link to the rod, and a stop on the handle to engage the bracket and limit the downward movement of the handle.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER GORDON.

Witnesses:
OTTO F. BARTHEL,
LEWIS E. FLANDERS.