(No Model.)

M. F. DOUD.

TABLET PRESS.

No. 367,897. Patented Aug. 9, 1887.

Fig 1.

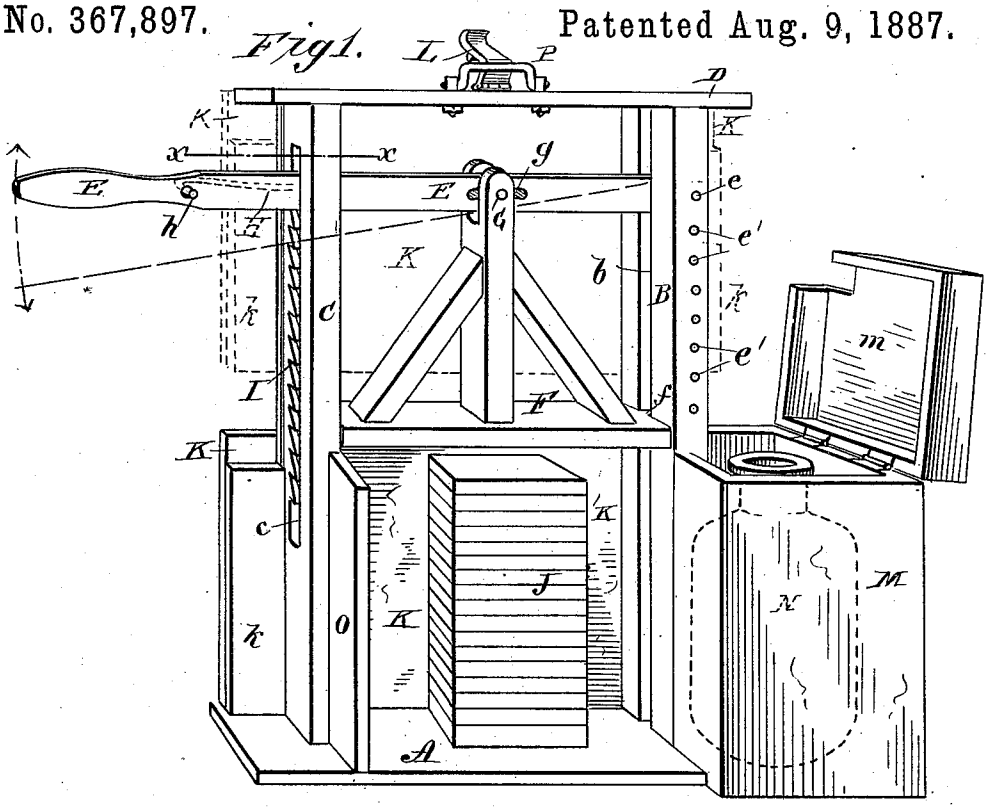


Fig 2.

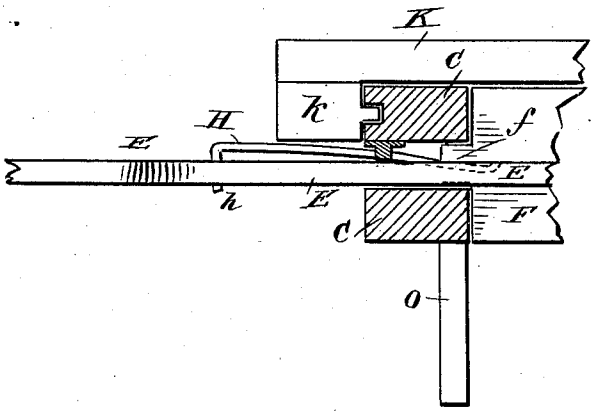
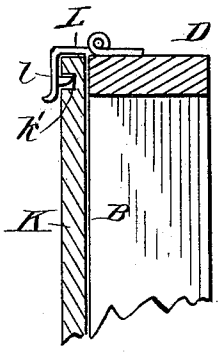


Fig 3.



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M. FAIRCHILDS DOUD, OF KANSAS CITY, MISSOURI.

TABLET-PRESS.

SPECIFICATION forming part of Letters Patent No. 367,897, dated August 9, 1887.

Application filed June 29, 1886. Serial No. 206,614. (No model.)

To all whom it may concern:

Be it known that I, M. FAIRCHILDS DOUD, of Kansas City, in the county of Jackson and State of Missouri, have invented a new and Improved Tablet-Press, of which the following is a full, clear, and exact description.

My invention relates to a press for use in the manufacture of tablets or blocks of stationary, and has for its object to provide a simple, inexpensive, and durable press of this character which may be operated effectively by persons of ordinary skill and with economy of time and labor in making the tablets.

The invention consists in certain novel features of construction and combinations of parts of the tablet-press, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved tablet-press as arranged for use and with a series of tablets thereon. Fig. 2 is a detail plan view, partly in section, illustrating the operation of the spring-latch of the press-lever; and Fig. 3 is a vertical sectional detail view showing the operation of the hook-support of the gage plate or board of the press.

The frame of the tablet-press is made with a base board or platen, A, to which are fixed the lower ends of two posts, B C, the upper ends of which are connected by a head-piece, D. The frame-posts B C are slotted vertically at their upper parts, as at *b c*, respectively, to receive a lever, E, which is pivoted within the slot *b* of post B on a pin, *e*, passed into a hole, *e'*, in the post.

A follower or presser, F, is suitably guided by tongues *f* at the ends entering slots in the frame-posts B C, and is connected to the lever E by a pin, G, which passes through a curved slot, *g*, in the lever to allow true and easy vertical movement of the follower as the lever is swung on its fulcrum at *e'*.

To the lever E there is fixed the inner end of a spring, H, the outer end, *h*, of which is bent about at a right angle, and is passed through a hole in the handle of the lever as a guide and also as a brace to the spring. The spring normally projects a little from the face of the lever E, so as to engage the downwardly-ranging teeth of a rack, I, fixed to the frame-post C at its slot *c*. A series of holes, *e'*, in the frame-post B provides for setting the follower at any height necessary to accommodate a higher or lower pile of tablets J on the platen A below the follower.

A board, K, is held at one side of the press-frame posts and close to the posts by means of cleats *k k*, fixed to the face of the board at its opposite ends, and having tongues *n* entering grooves of the posts, (see Figs. 1 and 2,) and whereby the board K may be slid upward on the posts from the position shown in full lines in Fig. 1 next the platen to the top of the press-frame, where it may be held by a catch, L, hinged to the frame-head piece D, and having a hook or lug, *l*, entering a notch, *k'*, of the board. (See Fig. 3.)

At one end of the press-frame there is fixed a box, M, having a hinged cover, *m*, and containing a vessel, N, which holds the composition to be applied to the edges of the pressed paper in finishing the memorandum tablets or blocks.

A board, O, fixed to the platen A and frame-post C, stiffens the frame, and also serves as a gage against which one end of the pile of tablets J may be evened, while the side of the tablet-pile is evened against the lowered board K. The side of the box M may also be utilized for evening one end of the pile of tablets, if desired.

A handle, P, fixed to the frame head-piece D, affords convenient means for carrying the press to or from a work-bench, on which it will be placed for use.

The operation is as follows: After the follower F is adjusted at proper height and the board K is let down onto the platen A the pile of cut paper with pasteboard plates interposed or inserted to govern the thickness of the finished tablets will be placed on the platen, and the edges of the tablet-pile will be evened against the boards O and K, and then laid against board K, about at the center of the platen, between the posts B C of the frame, as in Fig. 1. The follower F then will be lowered forcibly by the lever E to press the tablet-pile, and the lever will be held by the spring H entering rack I. The board or gage-plate K then will be raised to the top of the frame and held there above the tablet-pile by the catch L.

The operator will then apply the composition from vessel N onto the edges of the tablet-pile with a hand-brush, and the pile will be left under pressure until the composition dries or hardens, whereupon the follower lever-spring H will be pressed toward the lever-handle to disengage the spring from the rack I, and the follower will be raised to release the pile of tablets, which will be removed from the press and separated into single finished tablets by dividing the pile next the interposed pasteboard division pieces. The entire operation may be quickly and easily performed and tablets of the first quality and excellent finish be produced with economy of time and labor.

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

1. The combination, in a tablet-press, of a platen, a frame thereon, a follower guided in the frame, means for operating said follower, and a gage board or plate fitted to slide on the frame to and from the platen, substantially as herein set forth.

2. The combination, in a tablet-press, of a platen, A, frame-posts B C, slotted at *b c*, and connected by a head-piece, D, a follower, F, guided in the frame, a lever, E, pivoted to the frame and follower, a spring-catch, H, on the lever, and a rack, I, on the frame, substantially as described, for the purposes set forth.

3. The combination, in a tablet-press, with a platen, A, a frame, B C D, thereon, a follower, F, and lever E, arranged for operation substantially as specified, of a gage-board, K, fitted to slide on the frame-posts, and a latch, as at L, adapted to hold the board K at the top of the press-frame, substantially as shown and described.

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