

(No Model.)

W. D. SLAUSON.

BALING PRESS.

No. 301,398.

Patented July 1, 1884.

Fig. 1.

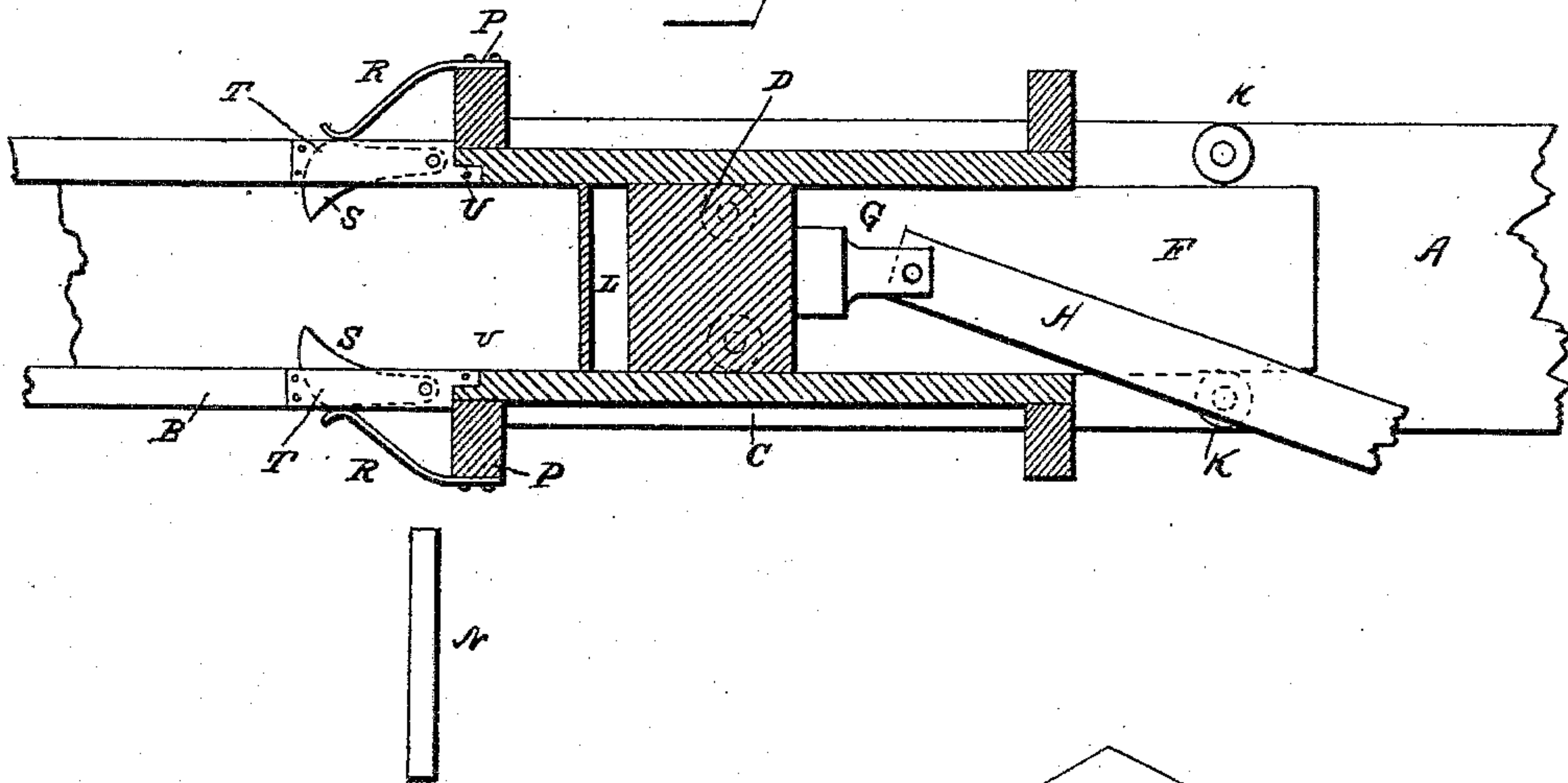


Fig. 2.

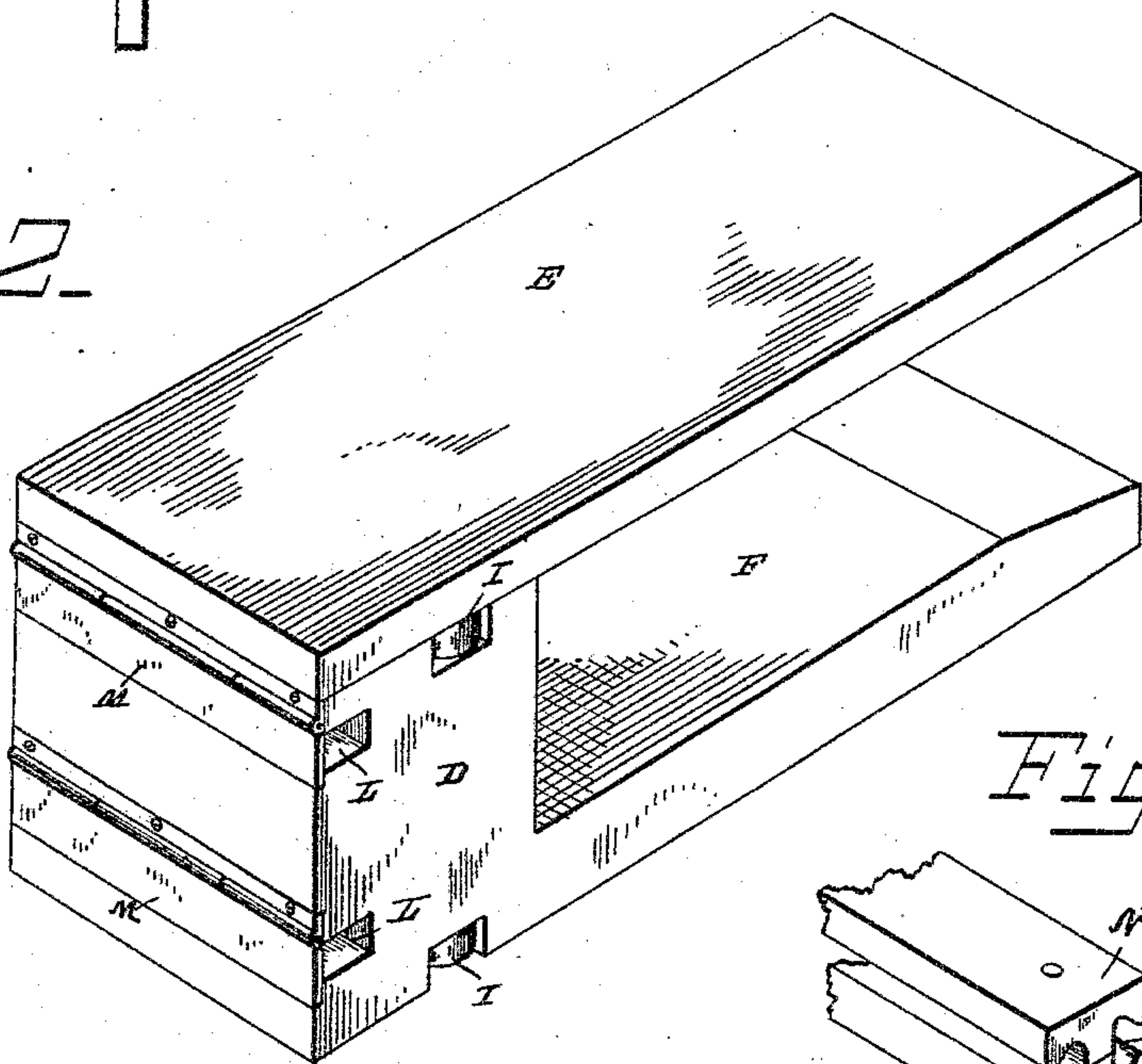
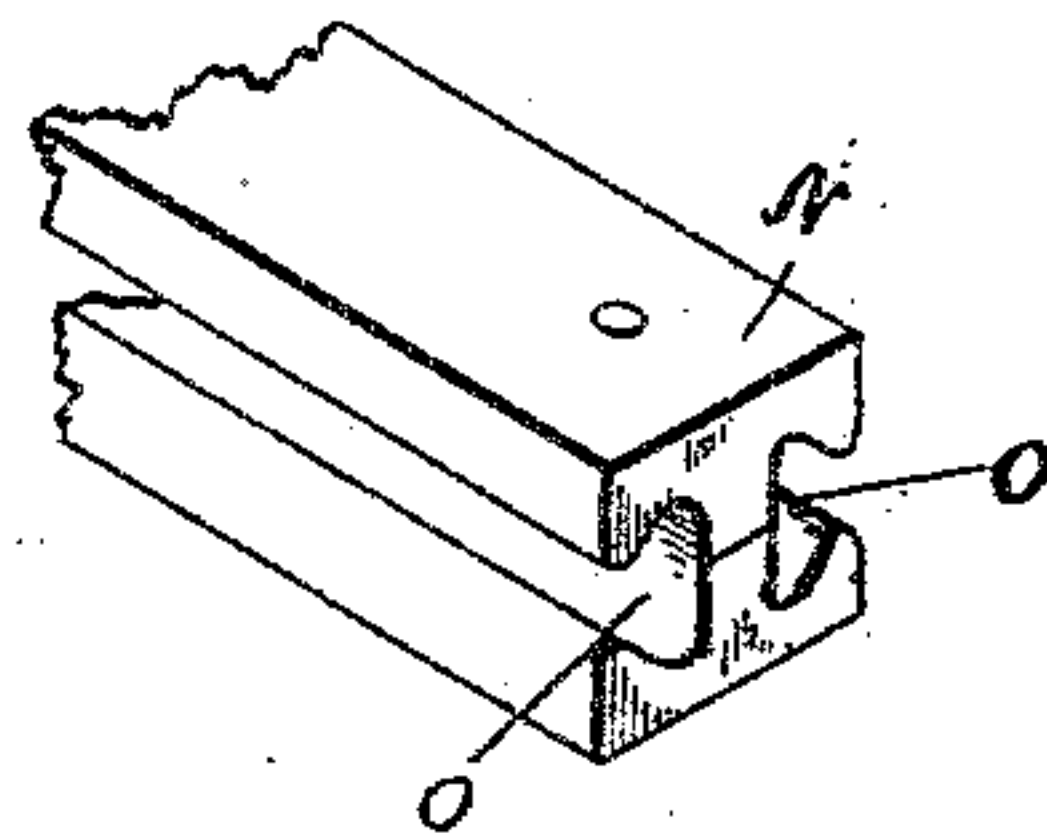


Fig. 3.



WITNESSES

Edwin L. Jewell.
J. J. McCarthy.

INVENTOR

Willis D. Slason.
C. H. Alexander
Attorney

UNITED STATES PATENT OFFICE.

WILLIS D. SLAUSON, OF RACINE, WISCONSIN.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 301,398, dated July 1, 1884.

Application filed May 1, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIS D. SLAUSON, a citizen of the United States, residing at Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Baling-Presses, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain improvements in plungers for baling-presses, and has for its object to obviate the delay and danger attending the use of the ordinary plunger and follower. The usual large follower, filling the inside of the press, often has its edges covered by the material pressed, and so obscuring the passages for the binding-wire the said wire is often inserted on the wrong side of the follower, thus causing delay and inconvenience.

In describing the device and its operation, reference will be had to the annexed drawings, in which—

Figure 1 represents a plan view of a part of a baling-press, the plunger being in section; Fig. 2, a perspective of the plunger, and Fig. 3 a perspective of one end of a follower adapted to be used with the plunger.

A represents the floor or base of the press, having raised on each side a series of parallel slats, B, and the sides of the press shown at C. Within the press is the plunger D, which is formed of a solid portion, fitting internally in the press, and an upper and lower backward-extending guide, as shown, respectively, at E and F. Between the guides is secured the pivot G for the operating-rod H. On each side the plunger are friction-rollers I, and outside the press-box are provided friction guide-rollers K. The front or pressing end of the plunger has in it lateral slots or recesses L, adapted to be kept normally covered by the hinged doors M. The slots are adapted to receive the followers N, which are each formed of two T-shaped pieces joined together, so that the broad part of each is outward, forming a bar having on each side a dovetail slot, O, which is rounded instead of angular at its edges, so as to prevent the wire binding in being passed through the said slots.

On each side of the forward end of the press-

box is an upright support, P, to which are secured the springs R, which keep the catches S normally pressed inward, as shown. These catches are pivoted in slots in the bars B, and are covered by the plates T. The forward end of the press-box has a recess, U, on each side, into which an extension of the plate T sets. Hay, cotton, or other material is placed in the press-box, and the plunger is advanced, forcing the material before it. When it has reached the end of the press-box, the follower is inserted through the space between the slats into the slot L in the said plunger. The said plunger advances till the pressed material passes the catches S, which give as it passes, and then are pressed inward by the springs bearing against them, retaining the material as the plunger retreats. As the said plunger moves backward, the ends of the follower, which is longer than the plunger is wide, are caught in the slots in the press-box, the swinging doors on the plunger opening and allowing it to pass out. When another lot of material is pushed forward, it carries the follower with it and retains it. Two or more followers being in line, the wire may be passed through them and the bale secured. There are as many covered recesses in the plunger and as many followers as there are binders used for the bale. The followers, projecting as they do, obviate all danger of mistake from their being covered by the pressed material.

Having described the device, what I claim is—

1. A plunger for baling-presses, having one or more lateral slots in the front or pressing surface normally covered by hinged doors, substantially as and for the purpose specified.

2. A plunger for baling-presses, having one or more lateral slots in the front or pressing surface normally covered by hinged doors, and provided with guiding extensions and friction-bearings, substantially as and for the purpose specified.

3. A plunger for baling-presses, having one or more lateral slots, in combination with one or more followers adapted to be placed in the slots, and constructed of one or more pieces, and provided on each side with dovetail slots, substantially as and for the purpose specified.

4. A plunger having lateral slots, in com-

5 bination with followers to be inserted in the slots, and constructed of one or more pieces, and provided on each side with dovetail slots having rounded corners, substantially as and for the purpose specified.

10 5. The combination of a press-box having recesses in one end, and a packing-box having spring-catches in its sides, with a plunger having lateral recesses provided with hinged doors, and one or more followers, formed each

of one or more pieces, and having on each side a dovetail slot, with or without rounded corners, substantially as and for the purpose specified.

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

WILLIS D. SLAUSON.

Witnesses:

CHAS. D. DAVIS,
F. T. CHAPMAN.