

(No Model.)

J. A. MEALER.
BALING PRESS.

No. 510,434.

Patented Dec. 12, 1893.

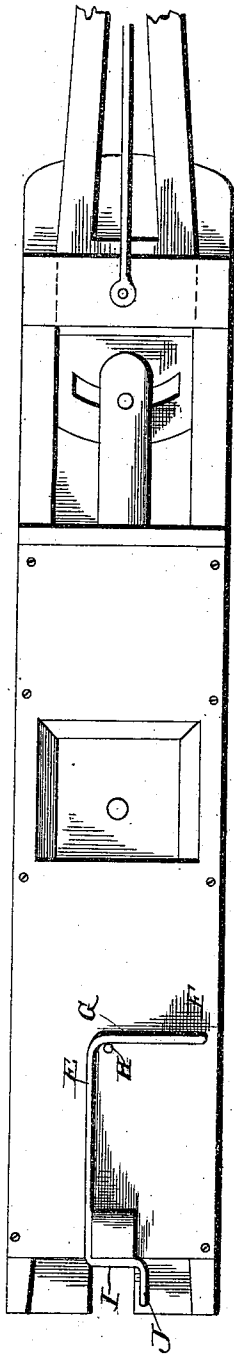


FIG. 1.

Witnesses

John J. Smith
Att. Bishop

FIG. 3.

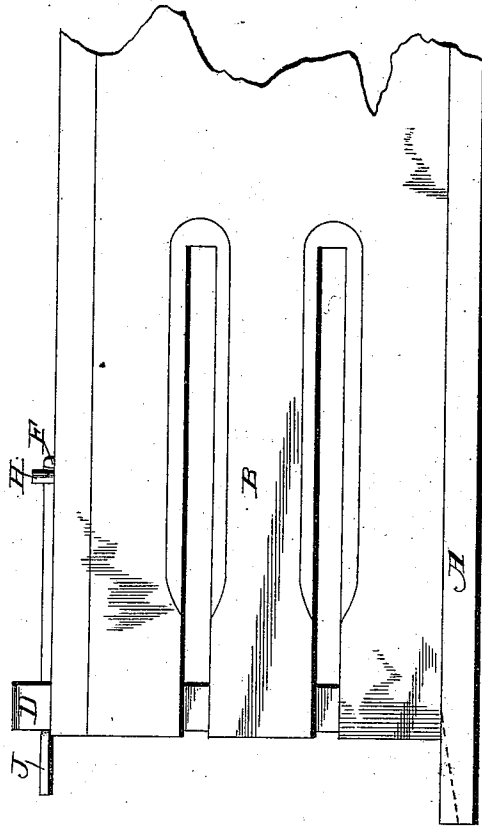
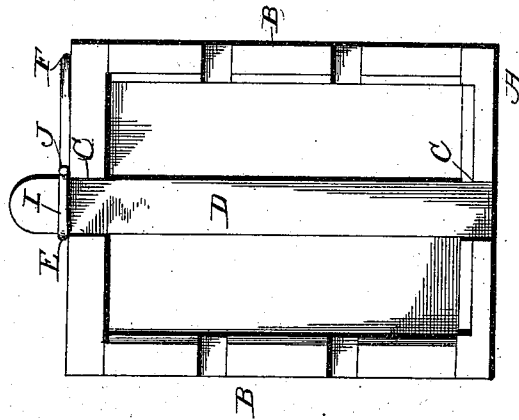


FIG. 2.



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UNITED STATES PATENT OFFICE.

JAMES A. MEALER, OF LAMPASAS, TEXAS.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 510,434, dated December 12, 1893.

Application filed February 28, 1893. Serial No. 464,052. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. MEALER, a citizen of the United States, residing at Lampasas, in the county of Lampasas and State of Texas, have invented certain new and useful Improvements in Baling-Presses; and I do 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 use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in baling presses and has special reference to the devices by which the material is held in the press while being formed into a bale.

It consists in certain novel features which will be hereinafter fully described and then claimed.

In the accompanying drawings, Figure 1 is a plan view of a press provided with my improvements. Fig. 2 is a rear elevation of the same, and Fig. 3 is a side elevation of the rear end of the press.

The baling chamber, plunger and operating lever may be of any preferred construction and form no part of my present invention.

The inner surfaces of the bottom, A, and the sides, B, are beveled or flared at their rear ends so as to facilitate the removal of the formed bale, and the top and bottom are provided with notches C at the center of their rear edges, as shown. The resistance bar D is pivoted at its lower end within the notch C in the bottom of the press and its upper end fits in the upper notch C and projects above the top of the press. On the top of the press, at a point near the rear or discharge end of the same, I provide the swinging spring latch E which is adapted to engage and hold the resistance bar. This latch is substantially L-shaped and is pivoted at one end to the top of the press, as shown at F. From its pivot, the latch extends inward to about the medial line of the press and is then bent rearward forming an elbow G adapted to engage a stop pin H secured in the top of the press frame. The latch then extends rearward to the end of the press where it is bent laterally to form

a hook or shoulder I adapted to engage the end of the resistance bar. It may be carried straight beyond the resistance bar or may be given a final bend to form a handle J. 55

The operation is obvious. When bales are to be formed, the resistance bar is swung upward and its end engaged by the latch. The press is then operated in the usual manner to form the bale after which the latch is released and the resistance bar turned down so that the bale can be removed. 60

Obviously, my improved fastening is very cheap and simple. When the latch is swung around to engage the resistance bar, it will bind slightly against the same and thereby engage it firmly and positively. The resistance bar will be prevented from moving laterally by the notches in the top and bottom of the press and the stop pin H, being directly in line with the resistance bar, acts as a brace to relieve the strain on the latch and prevent the same from being disengaged under the shocks put thereon in the baling operation. 65

The resistance bar may be arranged horizontally across the rear end of the press if so desired. Such an arrangement is obviously within the scope of my invention. 70

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is— 75

1. The combination with the frame, of a resistance bar pivoted to and adapted to extend across the rear end of the same, a latch mounted on the frame and adapted to engage the resistance bar and a stop pin arranged in line with the resistance bar and in the path of the latch. 80

2. The combination with the frame having notches in its opposite rear edges, of a resistance bar pivoted in one of said notches and passing through the other, a latch pivoted on the frame and engaging the free end of the resistance bar, and a stop pin arranged in line with the resistance bar and in the path of the latch. 85 90 95

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

JAMES A. MEALER.

Witnesses:

A. M. GIESSA,
D. G. PRICE.