B. J. METHVIN.

Cotton and Hay Press.

No. 196,032. Patented Oct. 9, 1877.

Fig. 1.

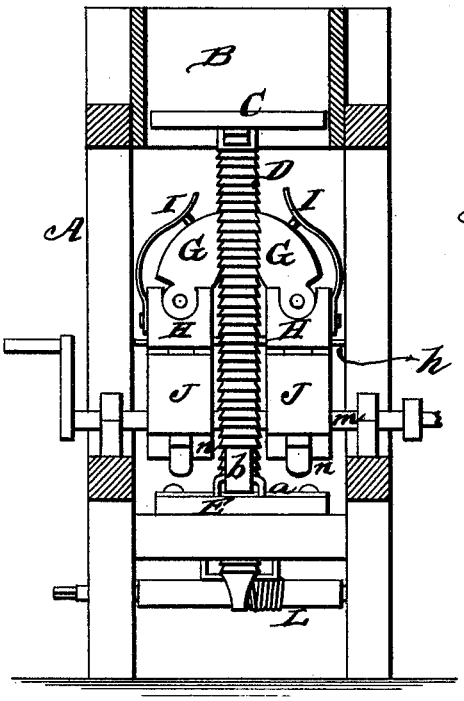


Fig. 2.

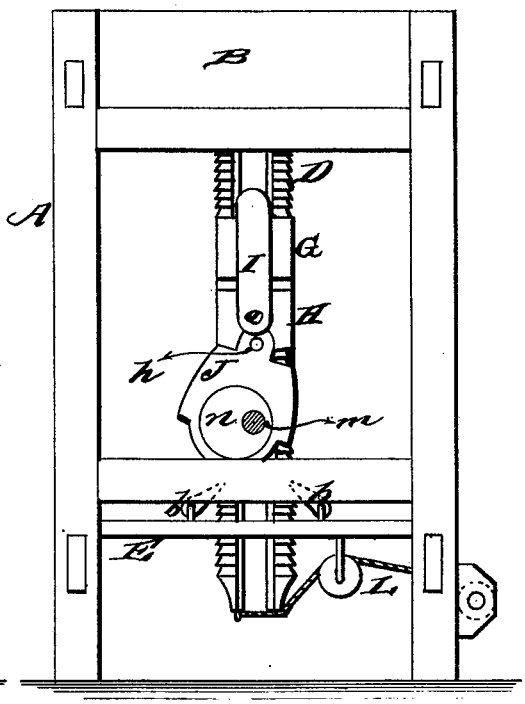


Fig. 3.

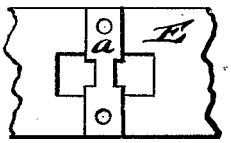


Fig. 4.

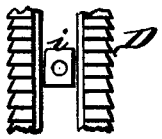


Fig. 5.

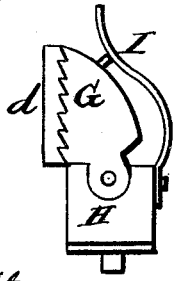
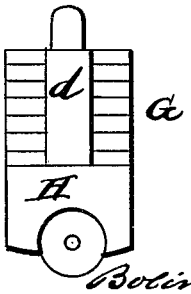


Fig. 6.



WITNESSES

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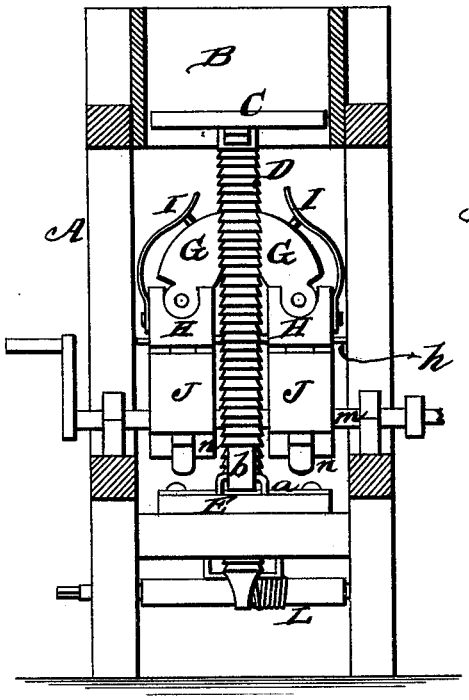
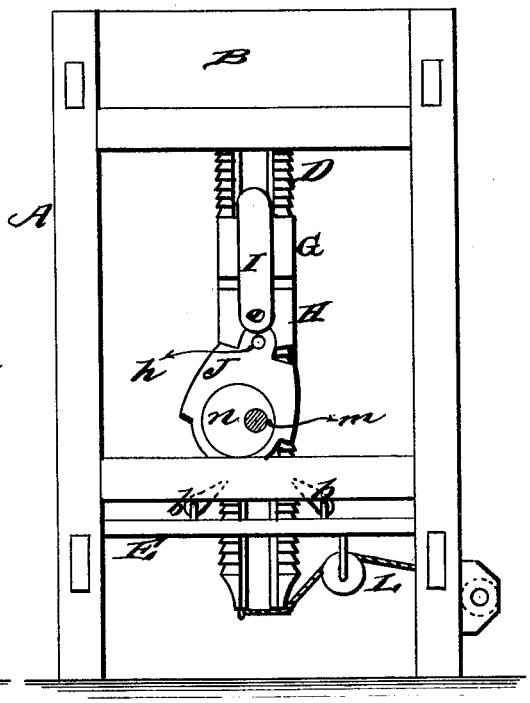


Fig. 2.



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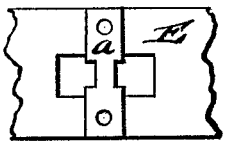

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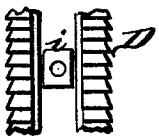

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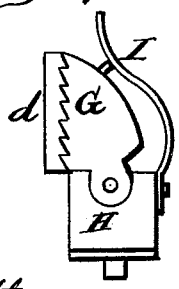

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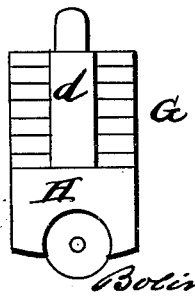

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UNITED STATES PATENT OFFICE.

BOLING J. METHVIN, OF LONGVIEW, TEXAS.

IMPROVEMENT IN COTTON AND HAY PRESSES.

Specification forming part of Letters Patent No. **196,032**, dated October 9, 1877; application filed September 1, 1877.

To all whom it may concern:

Be it known that I, BOLING J. METHVIN, of Longview, in the county of Gregg and State of Texas, have invented a new and valuable Improvement in Cotton and Hay Presses; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a transverse vertical sectional view of my cotton and hay press. Fig. 2 is a side view; and Figs. 3, 4, 5, and 6 are detail views thereof.

The nature of my invention consists in the construction and arrangement of devices for operating the follower in that class of baling-presses in which the material is pressed upward, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the frame of my baling-press, with the bale-box B, in which the follower C moves upward to press the material. The follower C is provided with a downwardly-projecting stem, D, which passes through a board, E, in the lower part of the frame A. The stem D is slotted longitudinally, as shown, and is guided by a plate or bar, *a*, attached to the plate or board E, and passing through the slot in the stem. The stem D is toothed on all four sides, and pawls *b b* are arranged to take into the teeth on the two solid edges of the stem. Against the slotted sides of the stem work two toothed jaws, G G, each of which is provided with a tongue, *d*, to fit in the slot of the stem. The lower end of each jaw G is formed with a round horizontal tenon, which rests in a corresponding seat formed in a block, H, so that the jaw will be capable of rocking to and from the stem D. It is held against the stem by means of a spring, I, as shown.

The blocks H H rock from side to side upon round tenons formed upon blocks J J, and they are pivoted thereto by a single rod, *h*, which rod also passes through a box, *i*, in the slot of the stem, said box being loose therein, and forming a second guide for the stem D.

The blocks J J are provided with straps, which pass around and connect them to eccentrics *n n*, secured upon a shaft, *m*, to which the power is applied.

By rotating the shaft *m* the jaws G G are worked up and down. During the upward movement they work the follower upward, while during the downward movement they slide over the teeth, and the stem and follower are held by the pawls *b b*.

When the bale is pressed, and the hoops tightened, the follower may be held by a rope and windlass, L, until the pawls and jaws are thrown outward, when the follower may be lowered, and the pawls and jaws thrown inward ready for pressing another bale.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the follower, of a baling-press, the slotted and toothed stem D, the toothed jaws G, provided with tongues *d*, and holding-pawls *b*, all operating in the manner as described, and for the purposes set forth.

2. The combination of the toothed pivoted jaws G G with springs I I, the rocking blocks H H, and the blocks J J, connected to the eccentric *n n* on the shaft *m*, substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

BOLING JEFFERSON METHVIN.

Witnesses:
J. H. HOLLOWAY,
EVANS S. TERRY.