

J. I. White,

May Press.

No. 111,700.

Patented Feb. 7, 1871.

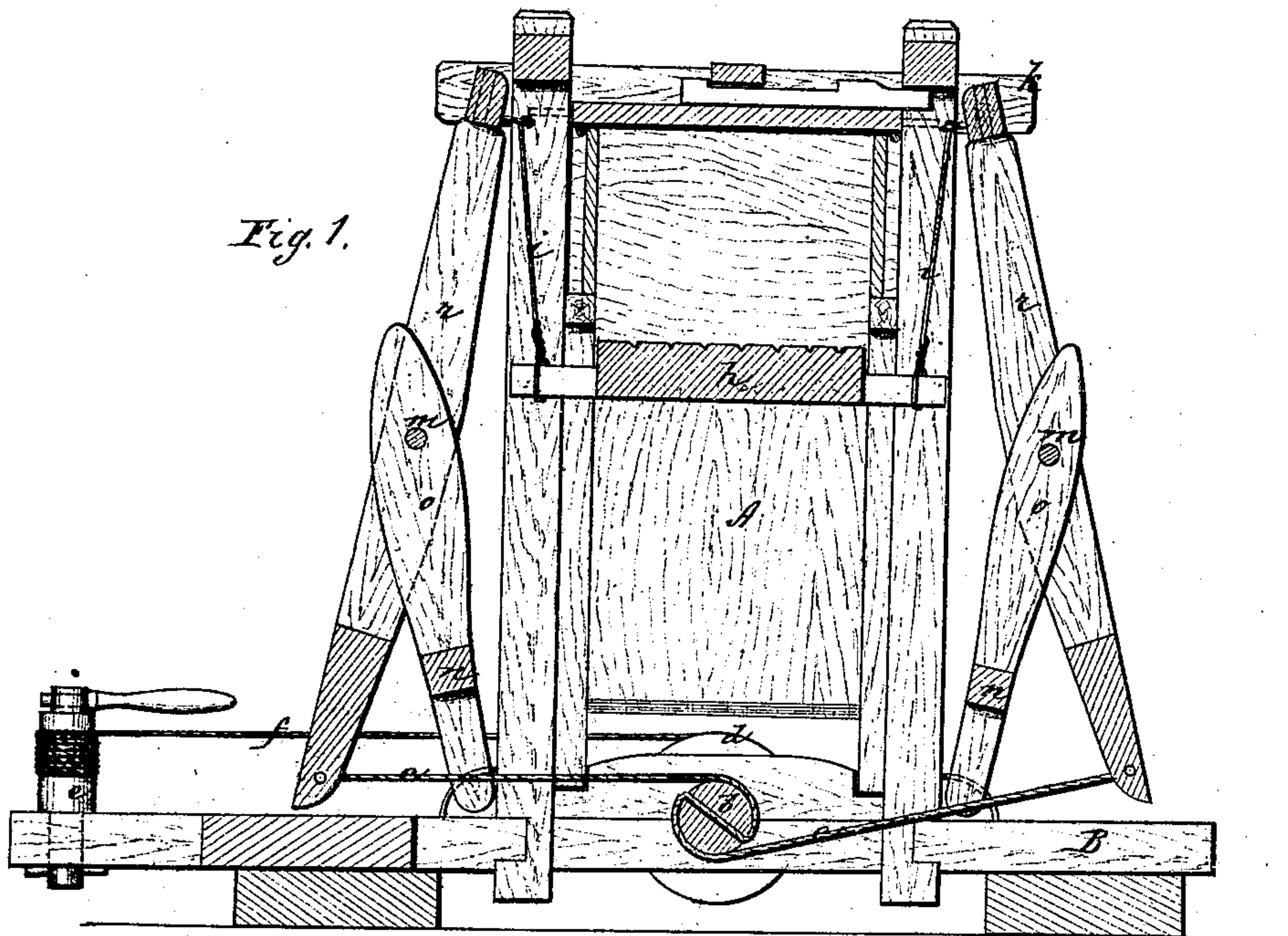
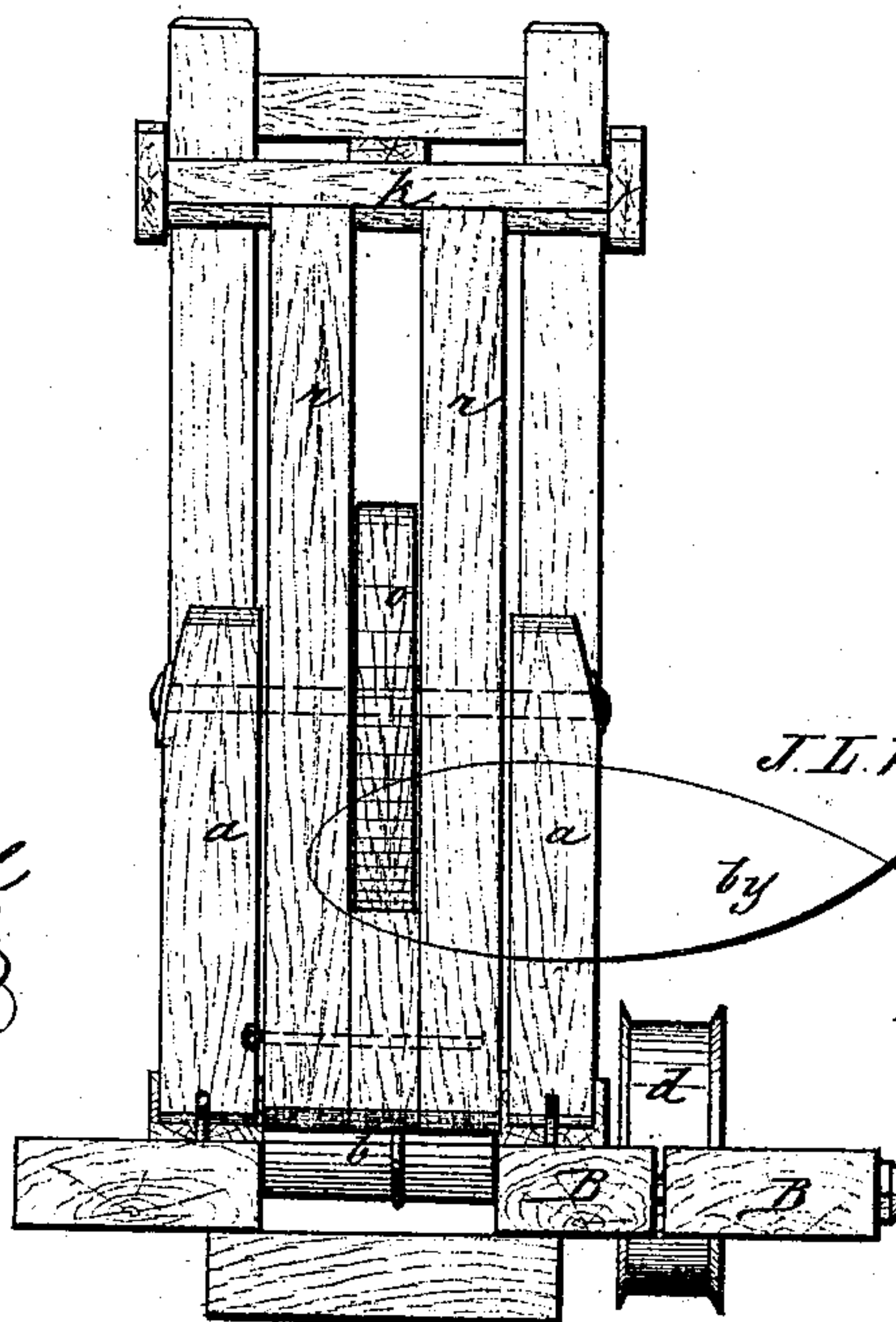


Fig. 2.



Witnesses.
H. J. French
E. A. Pettit

J. I. White, Inventor.

by *Almon H. Co.*
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United States Patent Office.

JACOB LEWIS WHITE, OF HERNANDO, MISSISSIPPI.

Letters Patent No. 111,706, dated February 7, 1871; antedated January 28, 1871.

IMPROVEMENT IN HAY AND COTTON-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JACOB LEWIS WHITE, of Hernando, in the county of De Soto and State of Mississippi, have invented a new and improved Hay and Cotton-Press; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a sectional, and

Figure 2 an end elevation.

This invention relates to a press in which the follower moves upward in the box in order to compress the bale.

The invention consists chiefly in the combination of toggles at the end of the press-box, with a horizontal frame loosely inclosing the press-box, to which frame the upper extremity of the toggles are jointed, and with the follower, which is connected with the upper ends of the toggles.

In the drawing—

A is the press-box.

a a, the lower levers of the toggles, which are jointed at their lower ends to the foundation B.

r r, the upper levers of the toggles.

b is the shaft, through and around which passes the rope *c*, that connects the lower extremities of the levers *r r*.

d is a windlass on the shaft *b*.

e is an upright shaft, mounted in the foundation B.

f is a rope connecting the shaft *e* and windlass *d*, and by which the shaft *b* is rotated, so as to extend the toggles.

h is the follower.

i, two iron rods which connect the follower with the upper ends of the levers *r r*.

k is a sliding frame, inclosing the press-box, to which frame the upper ends of the levers *r r* are jointed, the frame guiding the levers as it moves up and down.

By connecting the toggles with the frame above the follower, instead of directly with the follower, I materially reduce the distance between the outer ends of the levers *r r* when the follower is down, and thus render the machinery more compact. Moreover, if the toggles were connected directly with the follower, the joints between the follower and levers *r* would be nearly or quite in line with the joints between the levers *r* and *a*, when the follower was down, and, consequently, the rising of the follower would be more difficult.

The upper lever *r* of each toggle is bifurcated, as shown in fig. 2.

The lower lever of each toggle is composed of two separate parallel pieces, *a a*, placed at a suitable distance apart, and connected by a cross-bolt, *m*; and a cross-block, *n*, projects upward between the two side pieces *a a*, and enters the space between the branches *r r*, to which branches the tongue *o* is pivoted by the bolt *m*. This construction stiffens and strengthens the toggles.

Having thus described my invention,

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

1. The combination of the press-box A, sliding frame *k*, inclosing the press-box and sliding up and down outside the same, follower *h*, connecting-rods *i*, and toggles *a o r*, in the manner and for the purpose specified.

2. The combination of the bifurcated lever *r* with the lower double lever *a a*, provided with the cross-block *n* and tongue *o*, as and for the purpose set forth.

JACOB LEWIS WHITE.

Witnesses:

THOS. H. JOHNSTON,

D. M. SLOCUMB.