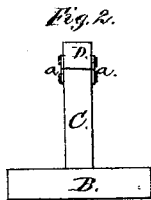
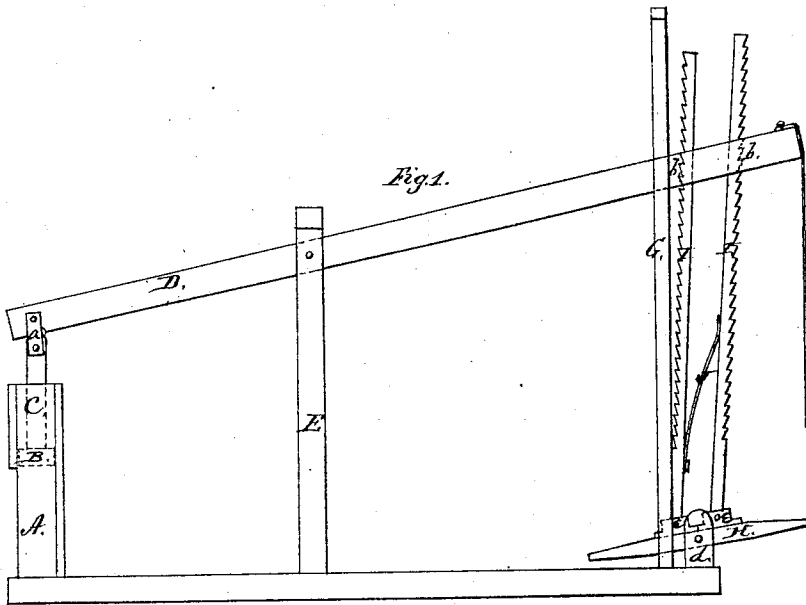


N. Cheek,

Cotton Press.

No. 101,822.

Patented Apr. 12, 1870.



Witnesses.
Jno. A. Ellis
J. White

Inventor,
Noah Cheek,
Per.
J. H. Alexander
Atty

United States Patent Office.

NASH CHEEK, OF CHAPEL HILL, NORTH CAROLINA.

Letters Patent No. 101,822, dated April 12, 1870.

IMPROVEMENT IN COTTON AND TOBACCO-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, NASH CHEEK, of Chapel Hill, in the county of Orange and State of North Carolina, have invented certain new and useful Improvements in Cotton and Tobacco Presses; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and manner of operating presses for pressing cotton, tobacco, hay, or any other articles that need pressing.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side elevation of my press, and

Figure 2 is a front view of the follower.

A represents the box in which the articles to be pressed are placed.

In this box the follower B moves up and down.

In the center of the follower B is a bar, C, which, by means of a metal strap *a* on each side is suspended from the front end of the lever D, this lever being notched or hollowed out on the under side for the upper end of the bar C to fit in.

The lever D is pivoted at a suitable point between two upright standards E, and its rear end passes between two guides G.

At or near the rear of the lever D is a mortise through the same, in each end of which is inserted and firmly secured a block, *b*, provided on its outer face with ratchet-teeth, as shown in dotted lines in fig. 1.

At the bottom or near the foot of the guides G, between two ears or posts *d*, is pivoted a lever, H, which is provided on its upper side with two boxes *ee*, which

are placed on each side of the pivot point and at equal distance from the same.

In each of these boxes is pivoted an upright sword, I, which, on its outer edge is provided with ratchet-teeth.

The two swords I I pass upward through the mortise in the rear end of the lever D, and are pressed outward from each other by means of the spring J, so that their teeth will engage with the teeth on the blocks *b b* in said mortise.

The operation of this press is very simple. The article to be pressed being placed in the box A, one or more hands are stationed at each end of the lever H, and by working its ends alternately up and down, that is, giving the same a rocking motion, the teeth on the swords I I catch in the teeth on the blocks *b b* raising the rear end of the lever or beam D, which, of course, brings the follower B down, pressing the articles in the box A.

By pressing the swords I I together and pulling on the rope *f*, suspended from the rear end of the beam, the follower is brought up again.

Having thus fully described my invention,

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

1. The double-acting lever H provided with boxes *ee*, swords I I, and spring J, all constructed and arranged substantially as and for the purposes herein set forth.

2. In combination with the above the mortised beam D provided with toothed blocks *b b*, bar C, and follower B, all constructed as described, and operating substantially in the manner and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

NASH CHEEK.

Witnesses:

T. F. NORWOOD,
J. F. FRIELAND.