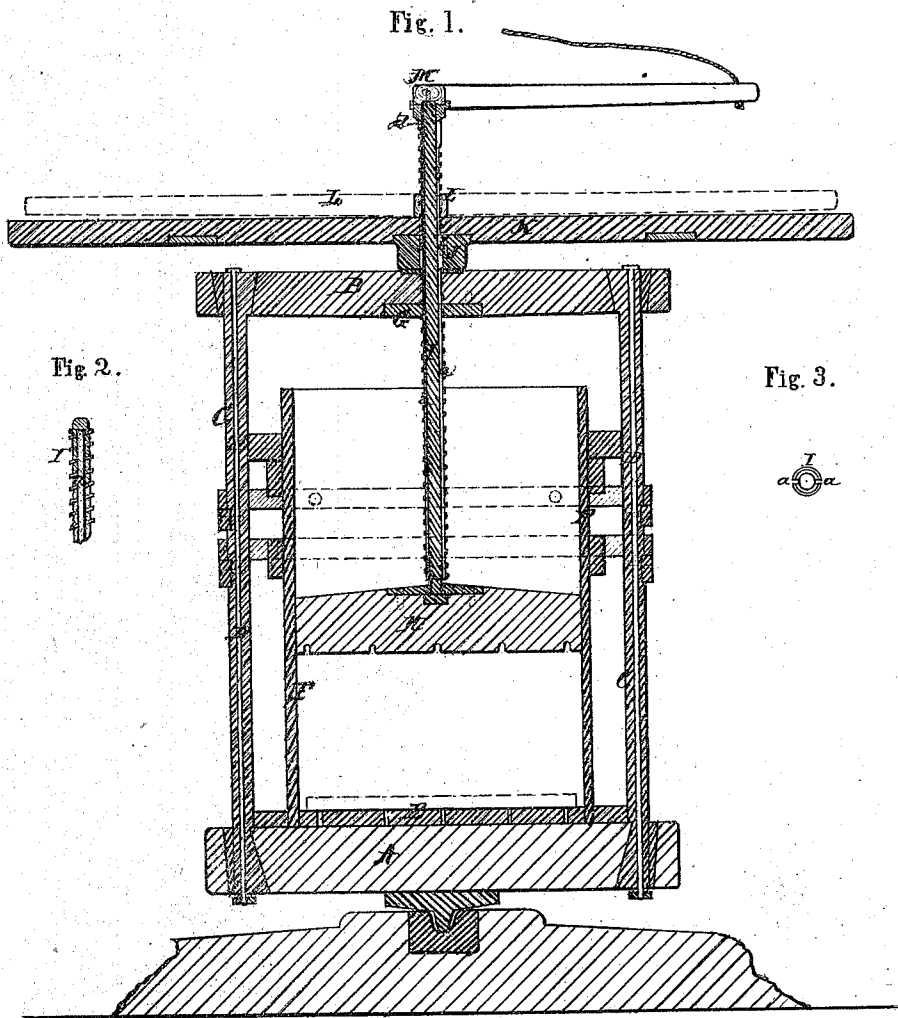


R. M. Brooks,

Cotton Press.

No. 112,413.

Patented Mar. 7, 1871.



Witnesses.

C. L. Ewert,

R. M. Steele

Inventor.

Rhodan W. Brooks

per Alexander Thomson

attys.

United States Patent Office.

RHODOM M. BROOKS, OF U. S., GEORGIA.

Letters Patent No. 112,413, dated March 7, 1871.

IMPROVEMENT IN 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, RHODOM M. BROOKS, of U. S., in the county of Pike and in the State of Georgia, have invented certain new and useful Improvements in R. M. Brooks' Improved Wood and Iron Pin Cotton-Screw; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "cotton-press," as will be hereinafter fully set forth.

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 drawing, in which—

Figure 1 is a longitudinal vertical section of my cotton-press;

Figure 2 is a side view of a portion of the same; and

Figure 3 is a cross-section of the same.

The frame for the press consists of a bottom timber, A, and top timber, B, connected, near each end, by means of two bars, C C, dovetailed and wedged into the top and bottom timbers, as shown in fig. 1.

A rod, D, near each end, with nuts, further connects and strengthens the frame.

On the bottom timber A is placed the bed E of the box F, said box being suitably braced and secured to the frame.

The top timber B is to be solid when an iron screw is used, and a nut, G, inserted in its under side; but when a wooden screw is used, it is to be made in two pieces and threaded, for the passage of the wooden screw.

H is the follower, which is raised and lowered by means of the screw I, said screw passing through the top timber B, (and through the nut G, if the screw is made of iron.)

The iron screw I is provided with one or more longitudinal grooves *a*, in which is inserted a feather, *b*, on the inside of a collar, J, attached to a driver, K, through which collar and driver the screw passes.

This driver K may be used in two ways—either to drive the screw when the box is stationary, or to hold the screw while the box revolves. In the latter case it will be noticed that the box and nut G revolve at the same time, which is a new and very important feature.

When a wooden screw is used, then the nut is formed in the longitudinally-bisected top timber B, as above mentioned, and a stationary beam, L, is used for guiding the same.

On top of the wooden screw is placed a stationary lever, M, confined to the screw by a feather, *a*, entering in the groove on the screw.

This lever is provided, at its outer end, with a rope, to be attached to a stationary object, for the purpose of holding the pin while the box revolves.

Having thus fully described my invention,

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

1. In the cotton-press herein described, the lever M and rope, in combination with the screw I, as shown and described, for the purposes set forth.

2. The arrangement of the bed E of the bale-box upon a single bottom timber, A, as herein set forth.

3. The combination of the screw I with one or more longitudinal grooves, *a*, collar J with one or more feathers, *b*, with or without the driver K, nut G, and top timber B, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of January, 1871.

RHODOM M. BROOKS.

Witnesses:

C. L. EVERT,
I. E. MOSS.