J. M. BROOKS, Jr.

Cotton-Presses.

No. 136,697. Patented March 11, 1873.

Fig 1

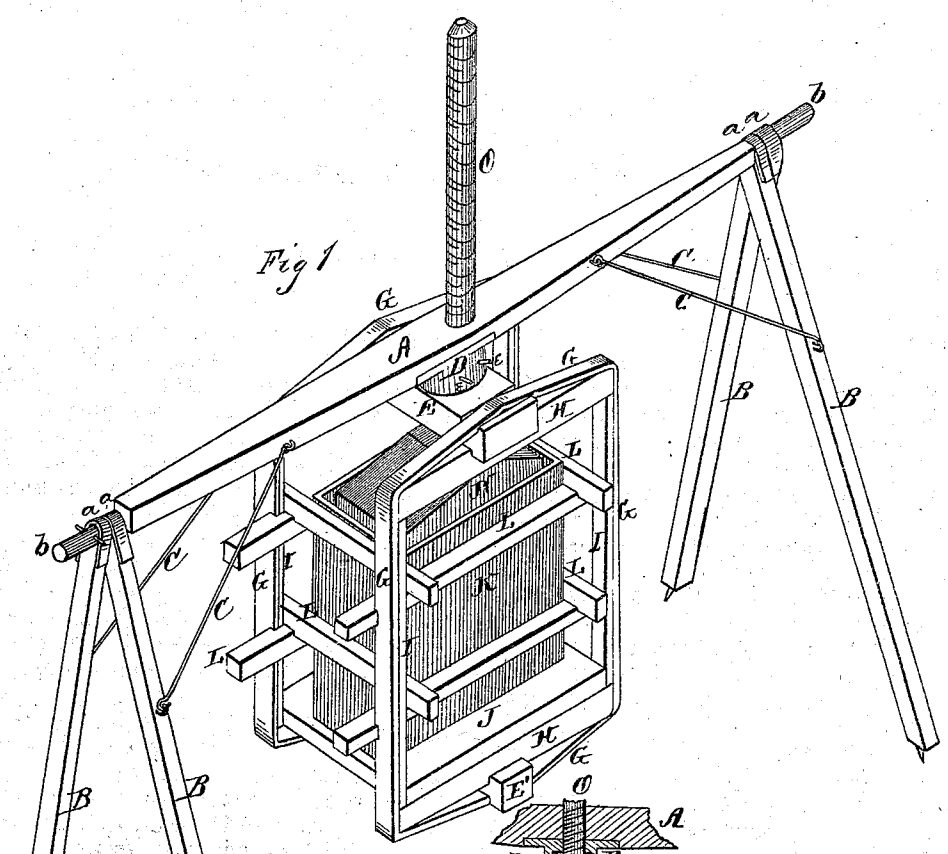


Fig 2

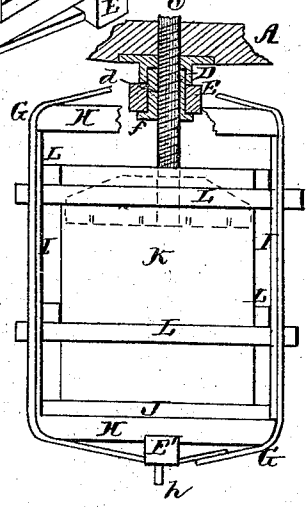
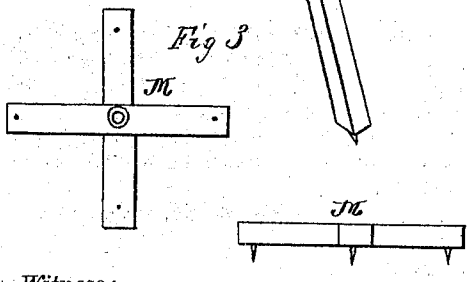


Fig 3



Witness:

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UNITED STATES PATENT OFFICE.

JAMES M. BROOKS, JR., OF GRIFFIN, GEORGIA.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. **136,697**, dated March 11, 1873.

To all whom it may concern:

Be it known that I, JAMES M. BROOKS, Jr., of Griffin, in the county of Pike and in the State of Georgia, have invented certain new and useful Improvements in Cotton-Presses; 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 more 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 perspective view of my press. Fig. 2 is a side elevation of the same part in section, and Fig. 3 shows a foot in which the gudgeon of the press works.

A represents a bar or beam, supported by means of two legs, B B, at each end. These legs are at their upper ends provided with straps *a a*, passing over tenons *b b* formed on the ends of the bar A, and the legs are braced by rods C C, as shown. D represents a hollow casting let in and secured to the under side of the bar A, in the center thereof, and into said casting is inserted the square upper end of a nut, *d*, and fastened by pins *e e*. This nut passes through a cross-bar, E, and has a flange, *f*, at its lower end, to fit against the under side of the bar. That part of the nut *d* which goes through the bar E is round, so that the bar can readily turn around the same. Over each end of the bar E passes an endless metal strap, G, which binds a frame composed of two horizontal bars, H H, and two vertical bars, I I, the horizontal bars at the lower ends of the two frames being connected by a bottom cross-bar, E′, running parallel with the top cross-bar E; and upon the same lower horizontal bars, at the bottom of the two frames, is laid a platform, J. This platform supports the bale-box K, which is held in the frames H I by bars L L, as shown. From the center of the lower cross-bar E′ a gudgeon, *h*, projects downward, and is to rest in the center of a cross, M, and turn in the same. N represents the follower of the press, to which is firmly attached the screw O, said screw passing through the nut *d* and up through the center of the bar A.

This press is built without any tenons or mortises; it is convenient, strong, and cheap, and operates by turning the box, or, if the box is made stationary, by turning the bar A.

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

1. The frame for holding the bale-box, constructed as described, each side formed of the bars H H and I I, surrounded by a metal strap, G, and the two sides connected by the bars E and E′, all substantially as herein set forth.

2. The exterior frame or support, consisting of the beam A with tenons *b b*, the legs B B with staples *a a*, and the brace-rods C C, all substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of January, 1873.

JAMES M. BROOKS, JR.

Witnesses:
THOS. W. THURMAN,
SAMUEL F. GREY.