

H. B. HARDY.
Cotton-Presses.

No. 151,696.

Patented June 9, 1874.

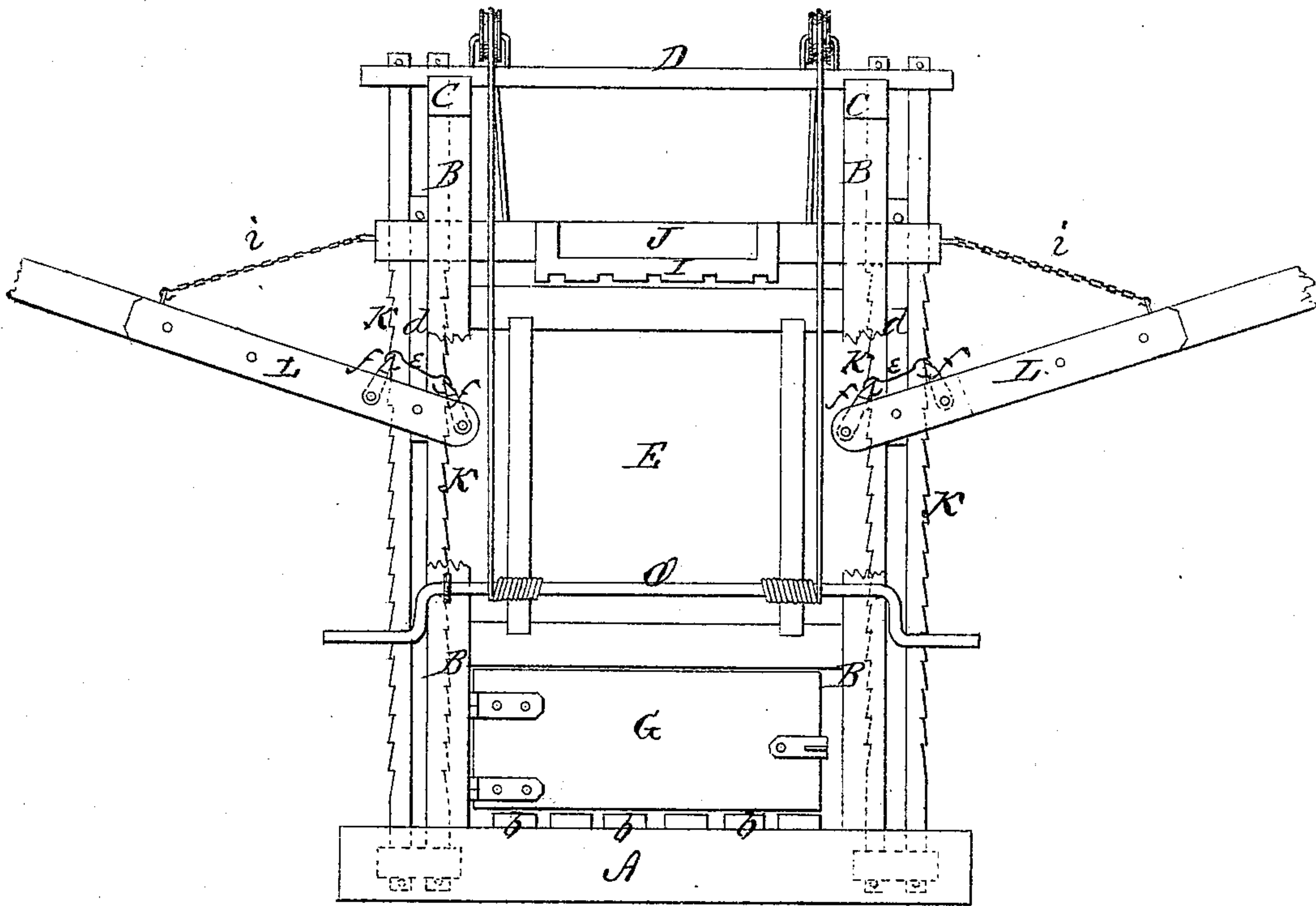


Fig. 1.

Witnesses.

G. A. C. Smith.
J. H. Cuth.

Inventor.

Henry B. Hardy
By J. W. Perkins
Attorney.

H. B. HARDY.
Cotton-Presses.

No. 151,696.

Patented June 9, 1874.

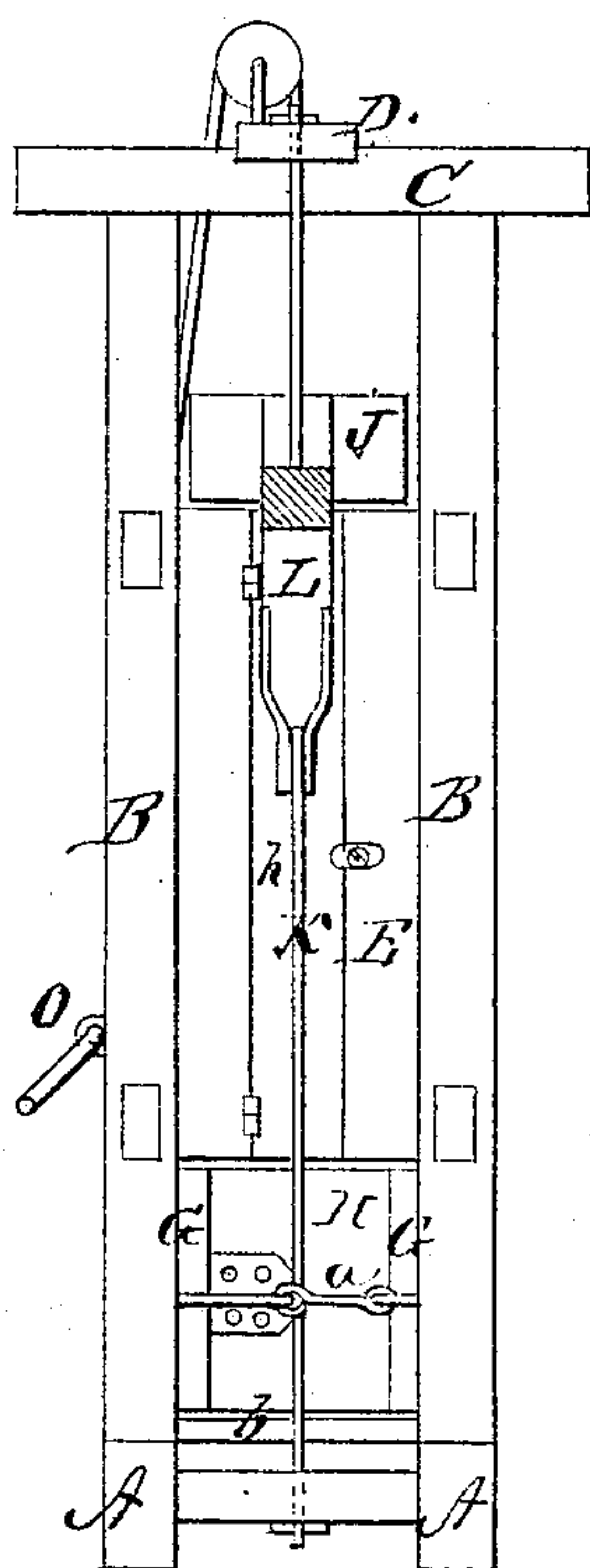


Fig. 2.

Witnesses.

G. A. C. Smith
L. L. Everett.

Inventor.

Henry B. Hardy,
By J. M. Perkins
Attorney.

UNITED STATES PATENT OFFICE.

HENRY B. HARDY, OF LIBERTY, MISSISSIPPI.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. **151,696**, dated June 9, 1874; application filed November 1, 1873.

To all whom it may concern:

Be it known that I, HENRY B. HARDY, of Liberty, in the county of Amite and State of Mississippi, have invented certain new and useful Improvements in Cotton-Presses; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

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 front elevation, and Fig. 2 a side view, of my improved cotton-press.

A A represent the sills or bed-timbers, suitably connected by cross-bars, and upon which are erected four corner posts, B B, connected at their upper ends by cross-bars C C and a center beam, D. In or between the corner posts B B is framed the bale-box, E representing the upper stationary part of the same. The lower part of the bale-box is composed of a front and back door, G, each having a side or end piece, H, hinged to it. The doors G G are hinged to corner posts B, as shown, and when all the doors are closed clamps a a connect the front and back doors G G across the ends, so as to remove all the pressure of the cotton from the hinges. b b are bars across the sills A A, forming the bottom of the bale-box. I represents the follower attached to a beam, J, which projects beyond the ends of the frame. Near each end of the beam J is pivoted a metal bar or pendulum, d, which passes down between two stationary rack-bars, K K, fastened in the top center beam D and the cross-bars of the bed-frame, and passing through slots in the follower-beam J. The lower end of each pendulum d is pivoted in a slot in a lever, L, through which the rack-bars K K also pass. In a full-sized machine these levers will be made at

their inner ends of metal, and form sockets for the insertion of wooden levers. In the slot on each lever L are pivoted two pawls, f f, which are connected by a spring, chain, and hook e, or other suitable device, to be readily engaged and disengaged, and when engaged shall cause the pawls to work in the rack-bars K K. In the sides or end pieces of the bale-box E are narrow doors h, to be opened in pressing for the passage of the follower-beam J.

For packing, the doors G G are opened, and the hoops or cording placed across the box between the bottom slats b b, and the baling stuff spread on top of the same. The doors G are then closed, when the press is ready to receive the cotton. When the box is filled to the top the top cover of the baling is spread over it, after which the follower is lowered down to the top of the box, and the doors h h opened. The dogs f f on each lever L are then connected, and then by working the levers up and down the follower D will be drawn down. As soon as the bale is pressed as small as desired the clamps a a are knocked off and the doors G opened, after which the baling is sewed up and the hoops tied. The dogs f f are then disengaged, and the levers hooked up by means of chains i i. The follower is then drawn up by means of the windlass O, the bale rolled out, and the press is ready for another bale.

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

The combination of the bale-box E, having doors h h in its ends, the follower I J, pendulums d d, rack-bars K K, levers L L, and pawls f f, with connections e e, all constructed 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 October, 1873.

HENRY B. HARDY.

Witnesses:

W. E. MORSALIS,
T. H. MORSALIS.