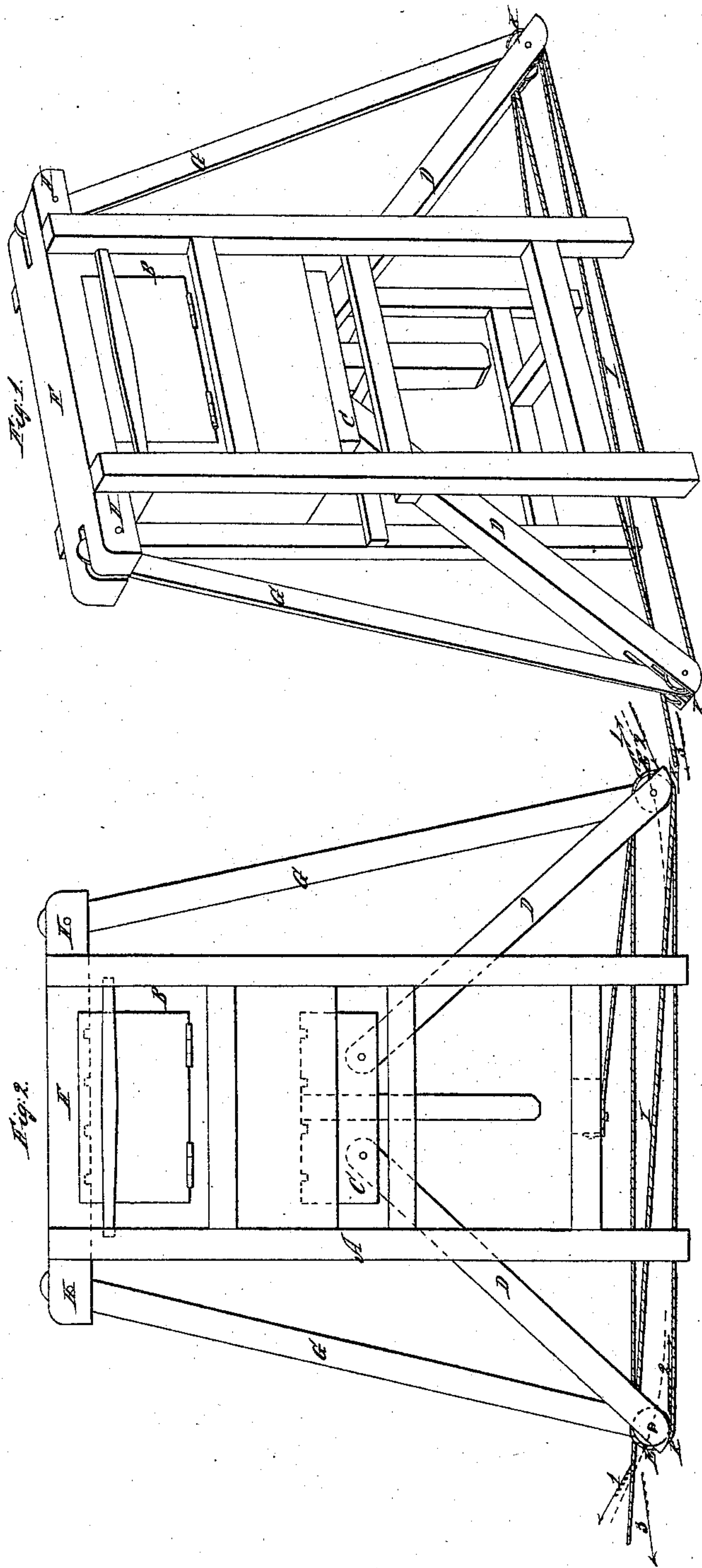


Patented Sept. 14, 1844.

N^o 3,739,



UNITED STATES PATENT OFFICE.

WM. F. PROVOST, OF BARNWELL DISTRICT, SOUTH CAROLINA.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. **3,739**, dated September 14, 1844.

To all whom it may concern:

Be it known that I, WM. F. PROVOST, of Barnwell District, State of South Carolina, have invented a new and useful Press for Pressing Cotton, Hay, and other Substances, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a perspective view. Fig. 2 is a vertical section.

The frame A, box B, follower C, and levers D are made and arranged in a manner similar to those of the presses of Levi Van Hoesen and others in use.

The improvement that I have made in the press consists in suspending the fulcrum E of the levers D to the cap F by the arms G, so as to cause them to swing in the arc of a circle described from the center H of the bolt or point of suspension of the arms toward or from the frame as the follower rises or falls, the fulcrum moving outward from the frame in the direction of the arrows No. 1 as the follower descends, and inward toward the frame in the direction of the arrows No. 2 as the follower rises, the contraction and expansion of the levers being effected by means of an arrangement of cords I and pulleys K, applied to the

lower extremities of the levers, and swinging arms and the weight of the follower, the weight of the follower, in descending, causing the levers to expand, and the drawing of the rope in the direction of the arrow No. 3 causing them to contract and lift the follower, with the substance thereon to be pressed, which is pressed against the under side of the cap, to which the fulcrum of the levers are suspended, said cap and follower being drawn toward each other as the levers are contracted, compressing the bale between them, which is tied and removed in the usual manner. To discharge the bale the foregoing movements of the follower and cap and levers must be reversed.

All that I claim in the before-described arrangement, and for which I ask Letters Patent, is—

Suspending the swinging fulcrum of the pressing-levers of the follower to the head block or cap of the frame, against which the substance is pressed, in the manner and for the purpose set forth.

WM. F. PROVOST.

Witnesses:

H. Z. ARDIS,
JAS. J. WILSON.