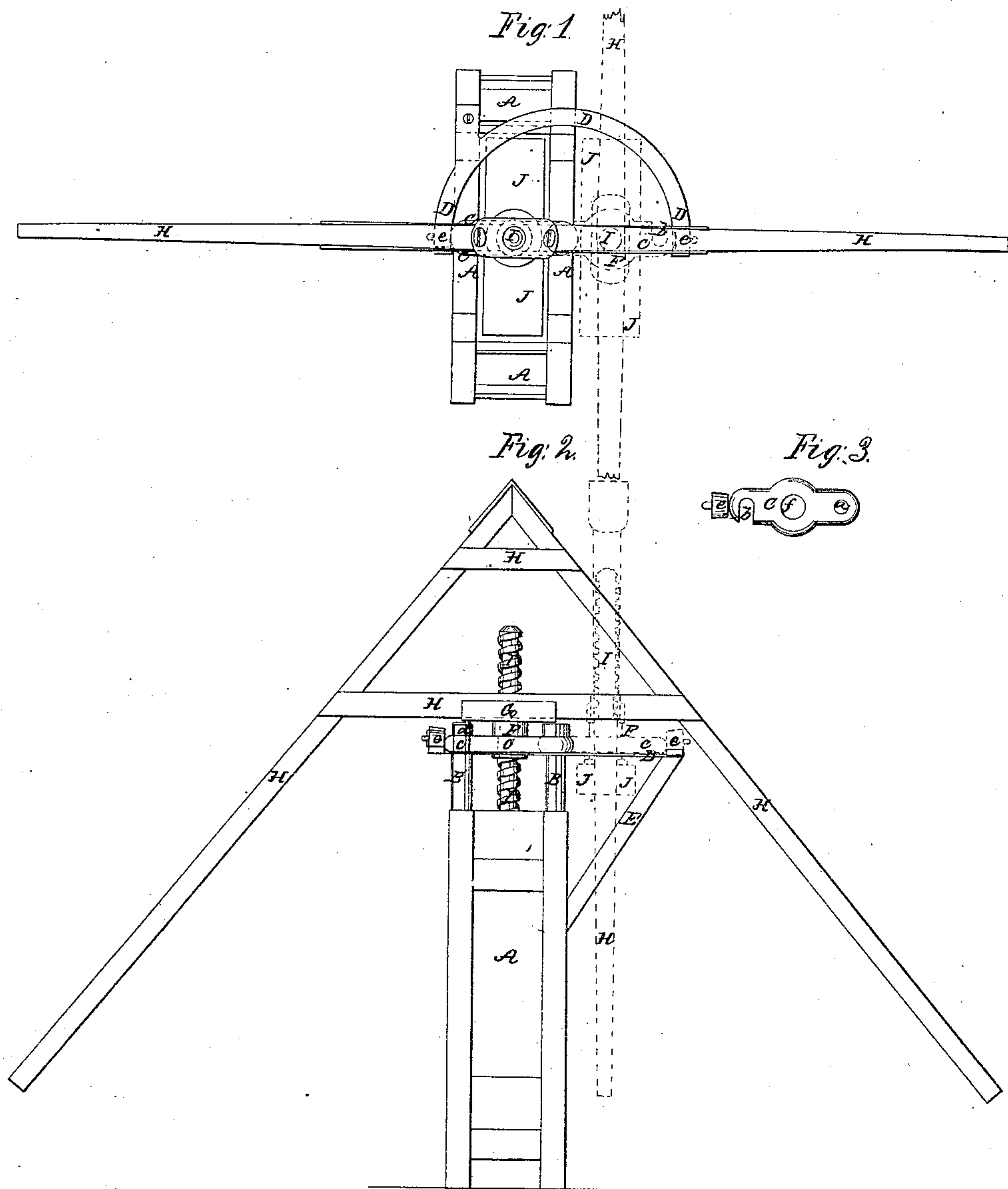


*Y. F. Wright,*  
*Cotton Press,*  
*N<sup>o</sup> 67,243,* *Patented July 30, 1867.*



Witnesses.  
*J. D. Patton*  
*Thos. J. Chamberlain*

Inventor.  
*Young F. Wright.*  
 By atty. *W. B. Strongton.*

# United States Patent Office.

YOUNG F. WRIGHT, OF GREEN HILL, GEORGIA.

*Letters Patent No. 67,243, dated July 30, 1867.*

## IMPROVEMENT IN COTTON-PRESS.

*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, YOUNG F. WRIGHT, of Green Hill, in the county of Stewart, and State of Georgia, have invented certain new and useful Improvements in Cotton, Hay, and other Presses, and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a top plan of the press, and showing in red lines the sweeps, arch, and platen and screw swung around out of the way to facilitate the filling of the box.

Figure 2 represents an end elevation, also showing the position of the parts in red lines when swung around out of the way to clear the box for filling.

Figure 3 represents the arch detached from the machine.

Similar letters of reference where they occur in the separate figures denote like parts of the press in all cases.

My invention consists in a certain construction, by means of which the top of the press, consisting of the sweeps, the arch, the screw, and the platen, can be swung around horizontally, or nearly so, to clear the top of the press-box, so that it may readily receive the material that is to be pressed in it.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A represents a press-box, substantially built, and of any suitable size, and furnished, in any of the usual well-known ways, with doors or openings for removing the bale after it has been pressed and secured. To the press-box are secured the rods or bars B B', centrally arranged thereon, and on one of which (B) the arch C is hung by its opening *a*, so that it may swing horizontally, or nearly so, thereon. The other end of the arch C is furnished with a slot, *b*, which takes upon or over the other bar or rod B'; on a journal, *c*, or under a head, *d*, so that it cannot rise vertically; and on the extreme end of the arch C there is a friction-roller, *e*, slightly conical, so as to bear and run freely on a curved way, D, permanently attached to the press-box, and braced thereto by a brace, E, or in any other secure manner. F is a nut, which can turn in the central opening *f* of the arch C, it being secured therein by flanges or collars above and below the arch, and to this nut is attached, by the flanged metallic piece G, the sweeps or sweep-frame H, by which the nut is turned. I is the screw-shaft or rod passing through the nut F, to the lower end of which screw-shaft the platen J is attached. By this construction, besides the advantages of clearing the top of the press-box so that it can be readily filled, the sweep does not rise and fall with the platen, but maintains a uniform height.

When the box is to be filled with cotton, hay, or whatever is to be pressed in it, the arch C is slipped off from the neck *c*, the platen having been previously run up a little above the top of the box; the sweep, arch, screw, and platen are then swung around on the way D, the whole turning upon the bar or rod B as a centre, until they have entirely cleared the top of the box, in which position it is readily filled. When filled, the sweep, arch, screw, and platen are swung back on the way D, the slot *b* placed over the neck *c* of the rod B', and the platen is ready to be run down by turning the sweeps. When the bale is pressed and secured, the box is opened and the platen slightly raised, and it is removed, and the press prepared for the next succeeding similar operation.

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

In combination with the arch, nut, and sweeps, operating in connection with the platen-screw, as herein represented, the hinging or pivoting of the arch, so that it and its several appliances may be run or swung around upon a curved horizontal, or nearly so, way, to clear the top of the press-box, to allow it to be readily filled, substantially as described.

YOUNG F. WRIGHT.

Witnesses:

A. B. STOUGHTON,  
EDM. F. BROWN.