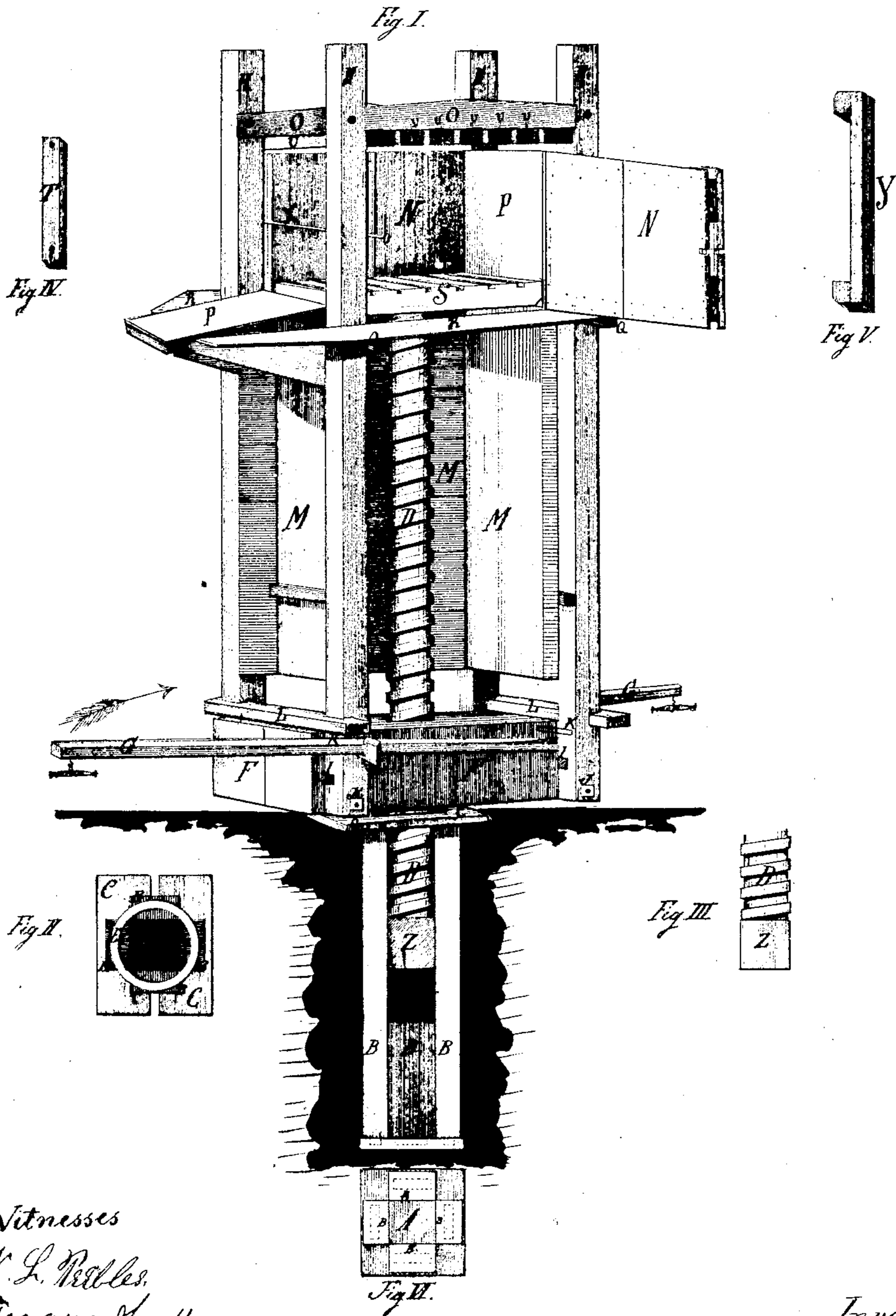


*G. W. Swift,*  
*Cotton Press.*  
*No. 100,687.* *Patented Mar. 8. 1870.*



Witnesses  
*W. L. Reelley,*  
*Fergus Hall*

Inventor  
*George W. Swift.*

# United States Patent Office.

GEORGE W. SWIFT, OF MEMPHIS, TENNESSEE, ASSIGNOR TO HIMSELF  
AND E. G. GRAHAM, OF DE SOTO COUNTY, MISSISSIPPI.

Letters Patent No. 100,687, dated March 8, 1870.

## IMPROVEMENT IN HAY AND 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, GEORGE W. SWIFT, of Memphis, in the county of Shelby, and State of Tennessee, have invented a new and useful Machine for Pressing Cotton or other material; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, in which—

Figure I is a perspective view; and

Figures II and VI, inclusive, are sectional views.

The description is as follows:

I first dig a pit in the earth, so as to admit four upright timbers, B B B B, Figs. I and II, said timbers being tenoned on lower ends, so as to fit mortises in foot-block A, Fig. VI, which forms a hollow square in depth according to length of timbers B B B B, the latter being firmly secured in a square position at top by clamps C C, Fig. II.

Square section on lower end of screw D, at Z, is made to fit hollow square already described, as shown in Fig. I.

E, Fig. II, is a circular iron skein or bearing, attached on top end of timbers B B B B, and a duplicate of said skein is attached to bottom side of nut F, Fig. I, and seen at E E.

G G are levers.

H H H H are four upright pieces, firmly secured to nut F, Fig. I, by means of bolts J J, and keys I I, dowel-pins K K, and their duplicates on opposite side of nut F, (there being one key and pin to each upright H H H H,) and also by clamps L L.

To said uprights are attached box M, side doors N, and cap-sills O O, as shown.

End doors P P are attached to clamps Q Q, said clamps also supporting platforms R R.

S is the follow-block.

Slots or bars T T T T T U U, and cap-sills O O, form upper base of the press.

Slots T T T T T (view at Fig. IV) are movable, a convenience necessary in putting in the material to be pressed, and are held to their places by pins V V V V V.

Clamp Y, Fig. V, is placed across slots or bars T T T T T U U, and secures end doors P P when closed, and clamp X secures side doors, Fig. I, all arranged substantially as described and for the purpose set forth.

### Operation.

Screw D, Fig. I, being down, so that follow-block S rests on nut F and material to be pressed in the box. The power is attached to levers G G, and moving in the direction indicated by arrow, by which rotary motion of nut F the screw and follow-block are forced up against the material to be pressed, and the bale is thus formed in doors M and P P, which being opened by removing clamps Y and X, the bale is bound out in the usual way, operators standing on platforms R R.

### Claim.

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

The box B, formed of the four tenoned pieces set into the foot-block A, the clamps C C, ring E, and screw D, with its follower S, and square block Z, all constructed to operate in the manner and for the purpose set forth.

GEORGE W. SWIFT.

Witnesses:

W. L. PEEBLES,  
FERGUS HALL.