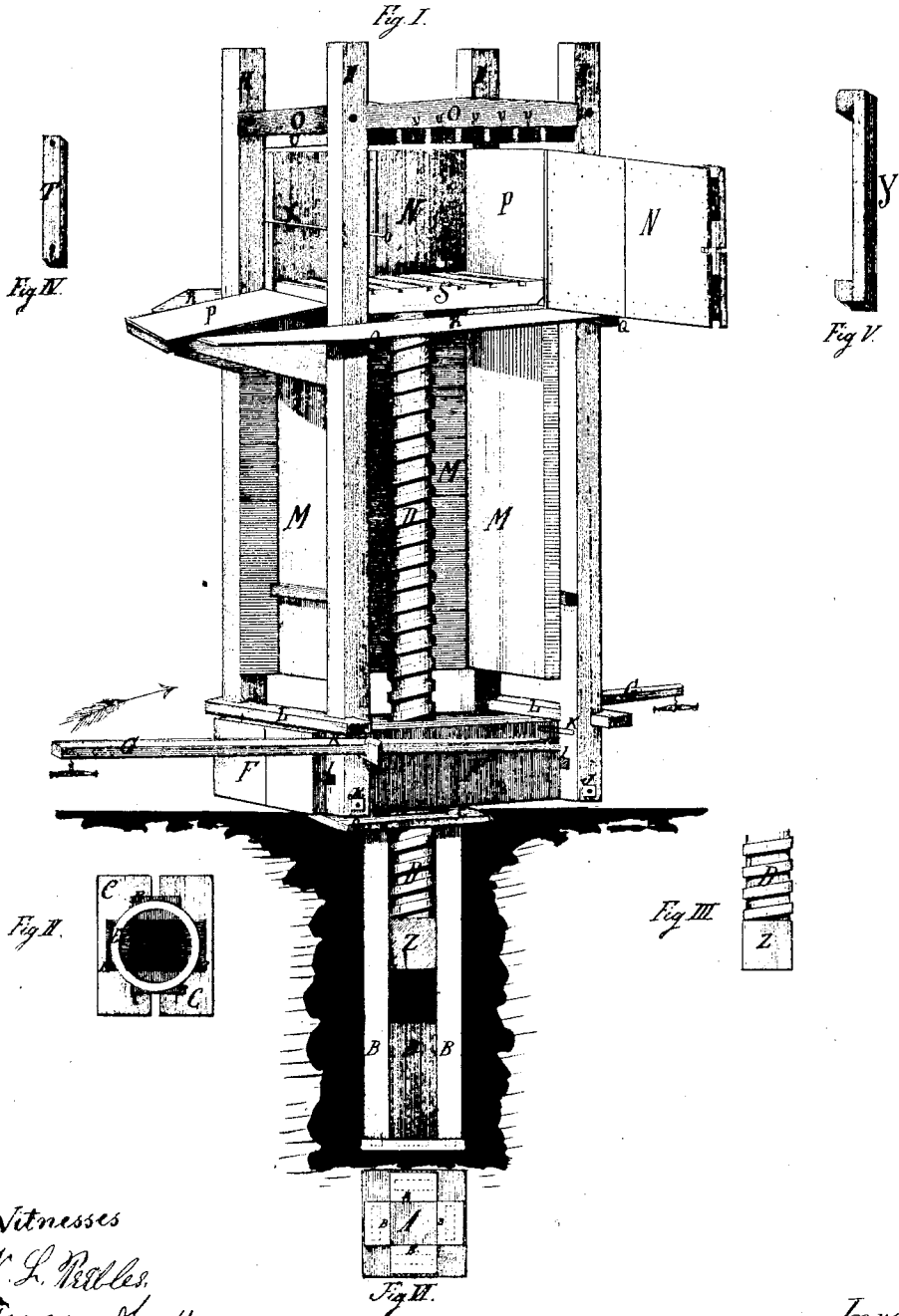


G. W. Swift,

Cotton Press.

No. 100,687.

Patented Mar. 8. 1870.



Witnesses
W. L. Rilles,
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 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 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 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. PEBBLES,
FERGUS HALL.