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U.T. Wilson Cotton Press.

PATENTED JUL 11 1871

Fig. 1.

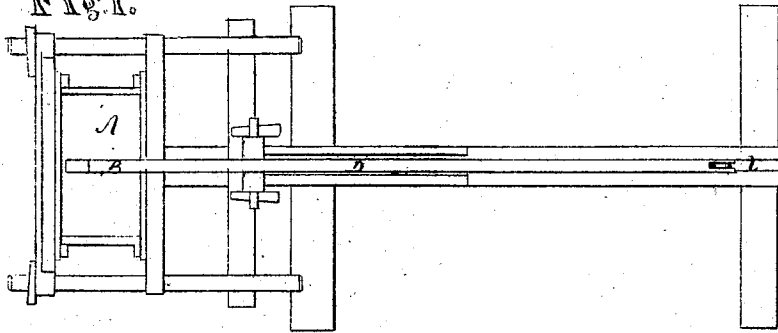
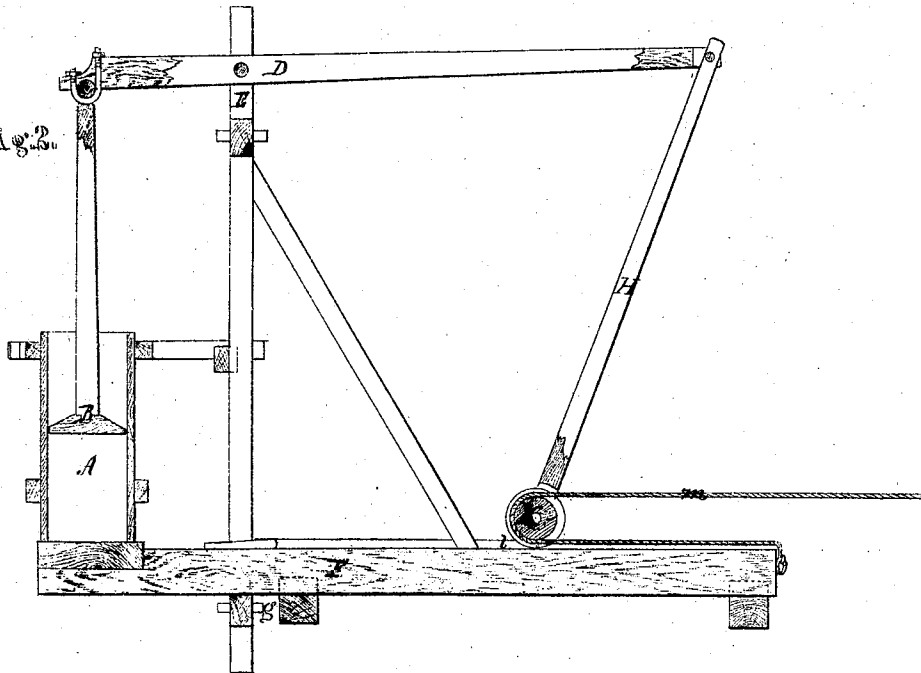


Fig. 2.



Witnesses,
Chapman
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UNITED STATES PATENT OFFICE.

URIAH T. WILSON, OF INDEPENDENCE, MISSISSIPPI.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. 117,027, dated July 11, 1871.

To all whom it may concern:

Be it known that I, URIAH T. WILSON, of Independence, in the county of De Soto and State of Mississippi, have invented a new and valuable Improvement in Cotton-Presses; 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 drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention. Fig. 2 is a central vertical section of the same.

My invention has relation to cotton-presses; and it consists in the construction and novel arrangement of devices whereby an immense power may be applied to the lever. This is an improvement on the cotton-press patented by P. Williams, January 21, 1868.

A of the drawing designates the press-box. B represents the follower and rod, pivoted, by the staple *c*, to the short arm of the lever D. E represents the fulcrum, bolted securely under the platform-beam F by means of the key *g* or other suitable device. H represents the lifting-arm.

The upper end of this arm is pivoted to the end of the long arm of the lever, and its lower end is provided with a roller or wheel, *k*, which is adapted to run in a channel, *l*, made in the upper surface of the beam F. The circumference of the wheel is grooved to receive the rope *m*, one end of which is attached to a windlass and the other end secured to the beam F. Power being applied to this windlass, the arm H will gradually assume an upright position, causing the follower B to be depressed in the box A with great force.

I claim—

In a cotton-press, the combination, with the follower B, lever D, and channeled beam F, of the lifting-arm H provided with the roller *k*, all constructed substantially as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

URIAH T. WILSON.

Witnesses:

WILLIAM F. BAKER,
WILLIAM C. CALLICOTT.