

J. J. STOPPLE.
Cotton-Press.

No. 216,908.

Patented June 24, 1879.

Fig. 1.

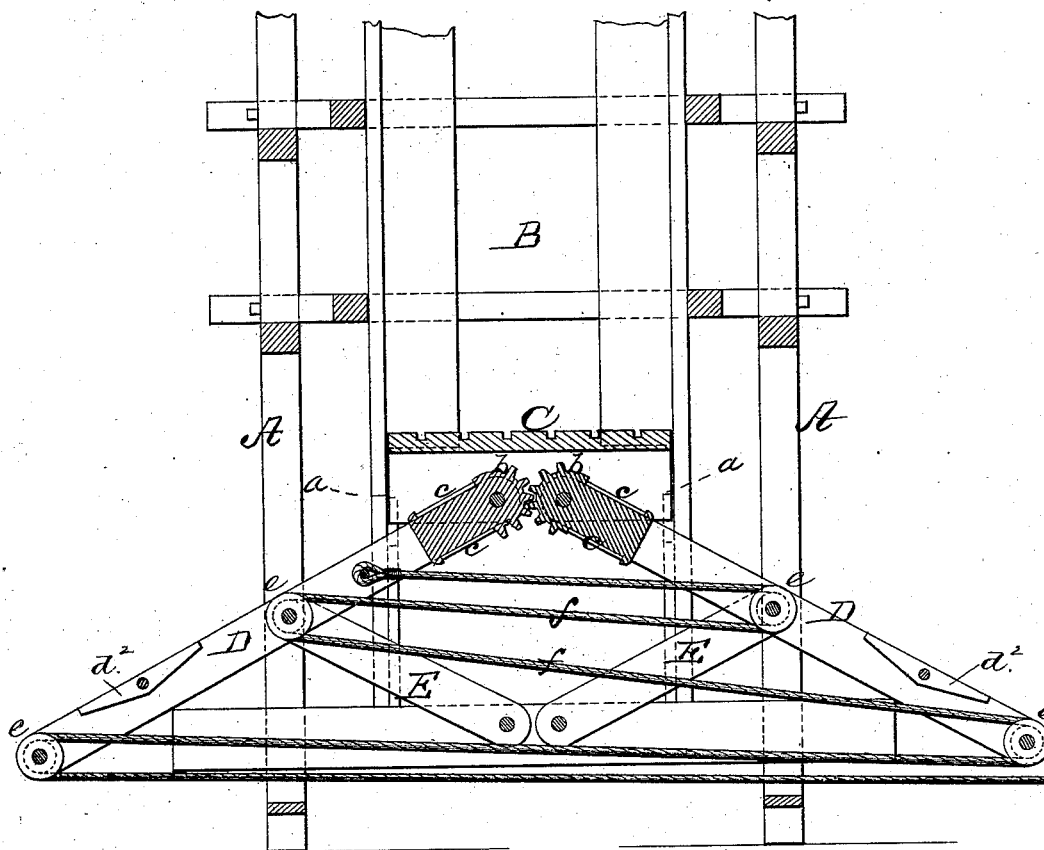


Fig. 2.

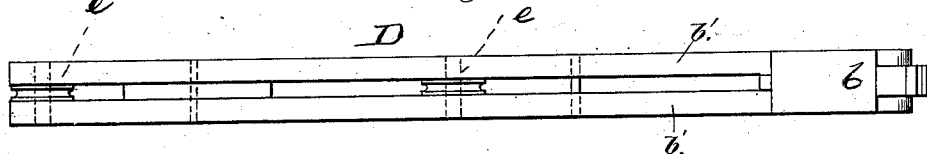


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN J. STOPPLE, OF BELLEVILLE, TEXAS.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. **216,908**, dated June 24, 1879; application filed May 3, 1879.

To all whom it may concern:

Be it known that I, JOHN J. STOPPLE, of Belleville, in the county of Austin and State of Texas, 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central section of my improved press, and Figs. 2 and 3 are details.

This invention relates to certain improvements in presses for baling cotton or hay, the object of which is to equalize the pressure of the levers upon the follower, and hold it at all times in a horizontal position, to distribute the pressure or resistance upon the follower-actuating levers, to lessen friction, and to control the power and speed of the press.

The nature of the invention consists in the construction and novel arrangement of parts, as hereinafter shown and described, and specifically set forth in the claim.

In the accompanying drawings, A refers to a stout upright frame, having the baling-chamber B centrally arranged therein, all of which is constructed as shown or in the usual manner. C is the follower, adjusted to move in the chamber B, and is supported upon and limited in its downward movement by the stops *a a*, affixed to the lower portions of downward extensions of the sides of the chamber B. D D are the follower-actuating levers, made in two sections, *b' b'*, having strengthening-cleats *d' d'*, with their upper or meeting ends pivoted in the under side of the follower C, and provided with toothed or cogged segments *b b*, socketed and confined in the levers by bolts and plates *c c*. These segments, or rather their teeth or cogs, engage with each other, by which, as the levers are manipulated, the latter are caused to move uniformly and their pressure upon the follower is equalized, aiding in keeping the follower at all times in a horizontal position, which effects the proper baling of the cotton or hay.

The levers D D are provided at different points in their lengths with pulleys *e e*, secured between the sections *b' b'* by means of bolts,

over which is passed back and forth the rope *f*, or other medium through which the power is applied, with one end fastened to the most distant lever from the power, while its other end is connected to the means for creating the power—a windlass, horse-power, or other motor. This arrangement distributes the pressure or resistance on the levers and lessens friction, and by increasing or diminishing the number of pulleys in the levers the power and speed can be controlled to a greater or less extent. By distributing the resistance on the levers they can be made lighter, thus effecting a saving of expense and rendering the press lighter in weight, to facilitate its transportation and shipment from place to place.

E E are sectional toggle-levers, connected to the levers D D, on each side thereof, about midway their lengths, and to the sills of the supporting-frame A, said toggle-levers serving as fulcrums for the levers E and to increase the power or leverage.

The baling process is very simple. The hay or cotton being placed in the chamber or box B in the required quantity, and confined by a board or suitable means, the follower, having been previously depressed or forced down by the filling of the box or chamber B, is forced upwardly in contact with the hay or cotton until the latter has been compactly compressed and tied or baled, when the follower will be allowed to again descend preparatory to a similar operation.

Having thus fully described my invention, I claim and desire to secure by Letters Patent—

The hay or cotton press consisting of the box B, provided with stops *a a* and follower C, the sectional levers D D, having central and end pulleys, *e e*, and socket-toothed segments *b b*, pivoted to said follower, the toggle-levers E, pivoted to levers D D, and frame A, in combination with the rope *f*, substantially as specified.

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

JOHN J. STOPPLE.

Witnesses:

A. KINKLER,

C. A. MATTHAEI.