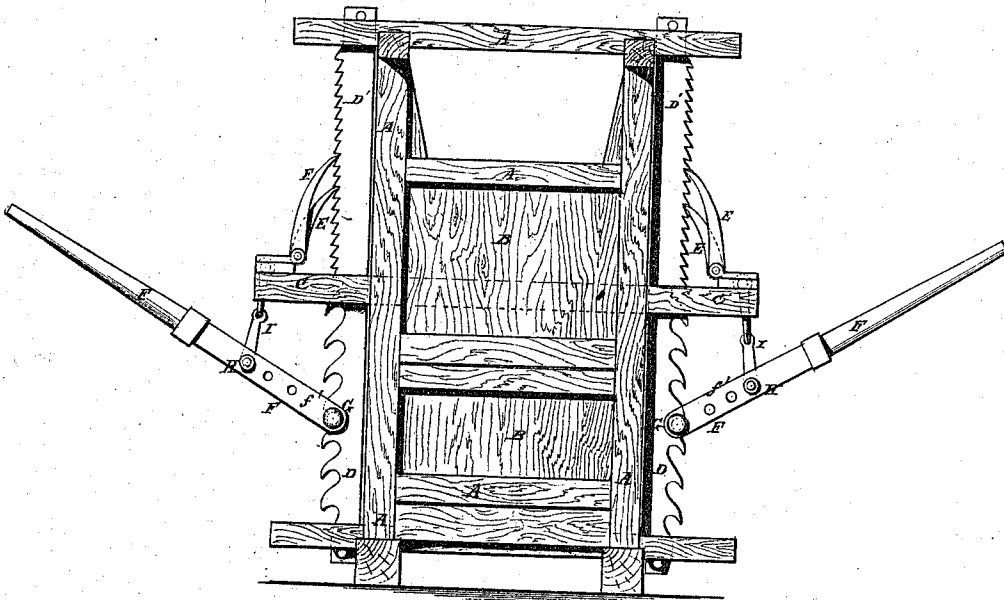


B. F. STROUD.
BALING PRESS.

No. 102,879.

Patented May 10, 1870.



Witnesses:
A. W. Almy
David M. Hall

Inventor:
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PER *[Signature]*
Attorneys.

United States Patent Office.

BRYANT F. STROUD, OF MARSHALL, TEXAS.

Letters Patent No. 102,879, dated May 10, 1870.

IMPROVEMENT IN BALING-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, BRYANT F. STROUD, of Marshall, in the county of Harrison and State of Texas, have invented a new and useful Improvement in Baling-Press; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which the figure is a side view of my improved press.

My invention has for its object to improve the construction of baling-presses, so as to make them simpler in construction, and more convenient and effective in operation; and

It consists in the construction and combination of the levers, rack-bars, and pawls with each other, and with the follower and baling-box, as hereinafter more fully described.

A is the frame of the press.

B is the box, against the bottom of which the bale is forced when being compressed, and the sides of the lower part of which may be detached for the removal of the compressed bale, by taking out the sliding bars *b'*.

C is the follower, by the downward movement of which the material to be-baled is forced down against the bottom of the box.

D are the rack-bars, which extend from the bottom to the top of the press, along the central lines of the ends of said press, and the ends of which are securely connected with the frame-work of the press.

Along the outer edges of the rack-bars D are formed teeth, the teeth of the upper halves of said bars being made small to receive the pawls E, and the teeth of the lower halves of which are made larger to receive the ends of the levers F.

E are double pawls, which are pivoted to the projecting ends of the follower C, and the engaging ends of which are so arranged as to never allow the end of the follower, when released from the lever F, to move back farther than the space of half a tooth. This allows the teeth of the racks to be made larger and stronger than when a single pawl is used.

F are the levers, to the lower ends of which are securely attached a bar, bars, or socket, *f'*, the lower parts of which are slotted, and have holes formed through them to receive the bolts G and H.

The bolts G, which pass through the ends of the slotted bars *f'*, are designed to engage with the teeth of the lower part of the racks D.

The bolts H are passed through one or the other of the holes through the said bars *f'*, at a greater or less distance from the bolts G, according as it is desired to move the follower C with greater speed, or with greater power.

I are the chains, links, or bars, the upper ends of which are securely pivoted to the ends of the follower C, and the lower ends of which are hooked upon the bolts H, as shown in the figure.

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

The combination and arrangement of levers F *f'*, chains, links, or bars I, racks D D', and pawls E, whether double or single, with each other and with the follower C and press-frame and box A B, substantially as herein shown and described and for the purpose set forth.

BRYANT F. STROUD.

Witnesses:

GEO. R. HILL,
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