

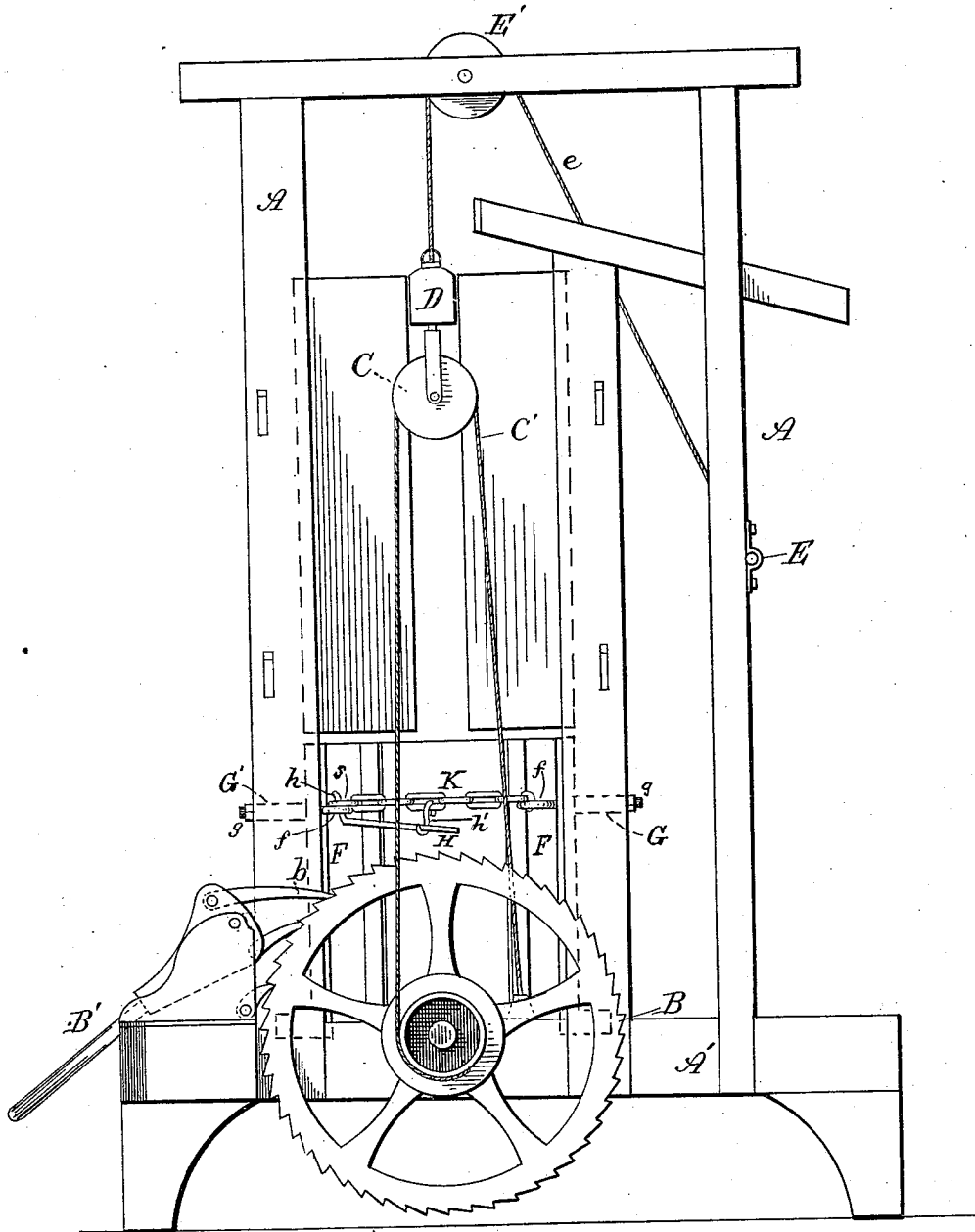
(No Model.)

W. H. & H. W. CELY.

BALING PRESS.

No. 247,304.

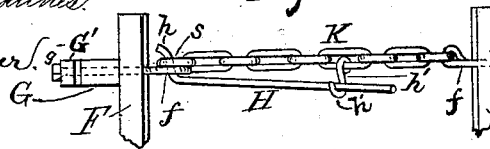
Fig. 1. Patented Sept. 20, 1881.



Witnesses:

*J. S. D. Cunnell*  
*J. W. Garner*

Fig. 2.



Inventors:

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# UNITED STATES PATENT OFFICE.

WILLIAM H. CELY AND HAMILTON W. CELY, OF GREENVILLE, S. C.

## BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 247,304, dated September 20, 1881.

Application filed March 15, 1881. (No model.)

*To all whom it may concern:*

Be it known that we, W. H. CELY and H. W. CELY, citizens of the United States, residing at Greenville, in the county of Greenville and State of South Carolina, have invented certain new and useful Improvements in Baling-Presses; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Our invention relates to certain improvements in presses for compressing cotton, hay, or other like materials into bales; and it has for its object to provide an improved means for giving a proper lock-pressure to the material to be pressed; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth, and specifically pointed out in the claims.

In carrying out the invention we employ any ordinary standing frame, slotted to admit the oscillation of removable side pieces, having concaved ends to admit a linked chain, and bearing cleats for end plates. The platen is operated by arbitrary gear, and a revolving shaft serves to employ a maximum of force in the pressure, while revolving shaft elevates the platen after the bale is bound. Suitable pulleys are provided, over which operate ropes and weights.

The invention consists, essentially, in the oscillating side plates and transverse cleats, the end pieces, and the linked chain, the whole operating in relation to a locking-lever and hook, for the purposes set forth.

To enable others skilled in the art to make and use our invention, we will describe the construction and operation of the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is an end elevation, partially in section; and Fig. 2, a detail view, showing the relation of the side plates, connecting-chain, and locking-lever with the end plates and adjusting means, as will be more fully explained hereinafter.

Referring to the drawings, in which similar letters of reference indicate like parts in all the figures, A represents the vertical frame, having the rack-wheel B, operated by the lever B', and pawls *b* to operate a cord, C', passing over a pulley, C, working in the hopper and controlling a platen, D, from which a cord, *e*, operating over a pulley, E', and connected to a shaft, E, serves to retrieve the platen D at will. These parts are old and well known in devices of this kind, and no claim is made to invention therein.

The base A' of the frame A is recessed to allow the oscillation of the sides F, which are provided with eyes *f* and cleat bearings G for the end plates, G', the eyes *f* being on the ends of bolts which pass through the parts F, G, and G', as shown, and secured by nuts *g* on the ends of the bolts, outside of the plates G'.

K indicates a chain, (one being at each end of the apparatus,) one end of which is connected with an eye, *f*, the other end, *s*, being secured over the eye *f* on the opposite side plate, F, by means of an arm, *h*, of a lever, H, said arm passing through eye *f* and a link or eye, *s*, of the chain, as shown, and said lever being held by a hook, *h'*, secured to the chain. The chain may be adjusted to compensate for wear and spring of the links by means of nuts *g*.

From this description, in connection with the drawings, the operation is obvious.

What we claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a press, in combination with the side plates, F, provided with eyebolts, as shown, the chains K, levers H, having arms *h*, and the hooks *h'*, substantially as set forth and described.

2. In a press apparatus, the side plates, F, having cleats G, in combination with the end plates, G', bolts having eyes *f* and nuts *g*, the chains K, hooks *h'*, and the levers H, with arms *h*, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM H. CELY.  
HAMILTON W. CELY.

Witnesses:

W. A. WHARTON,  
J. W. STEWART.