

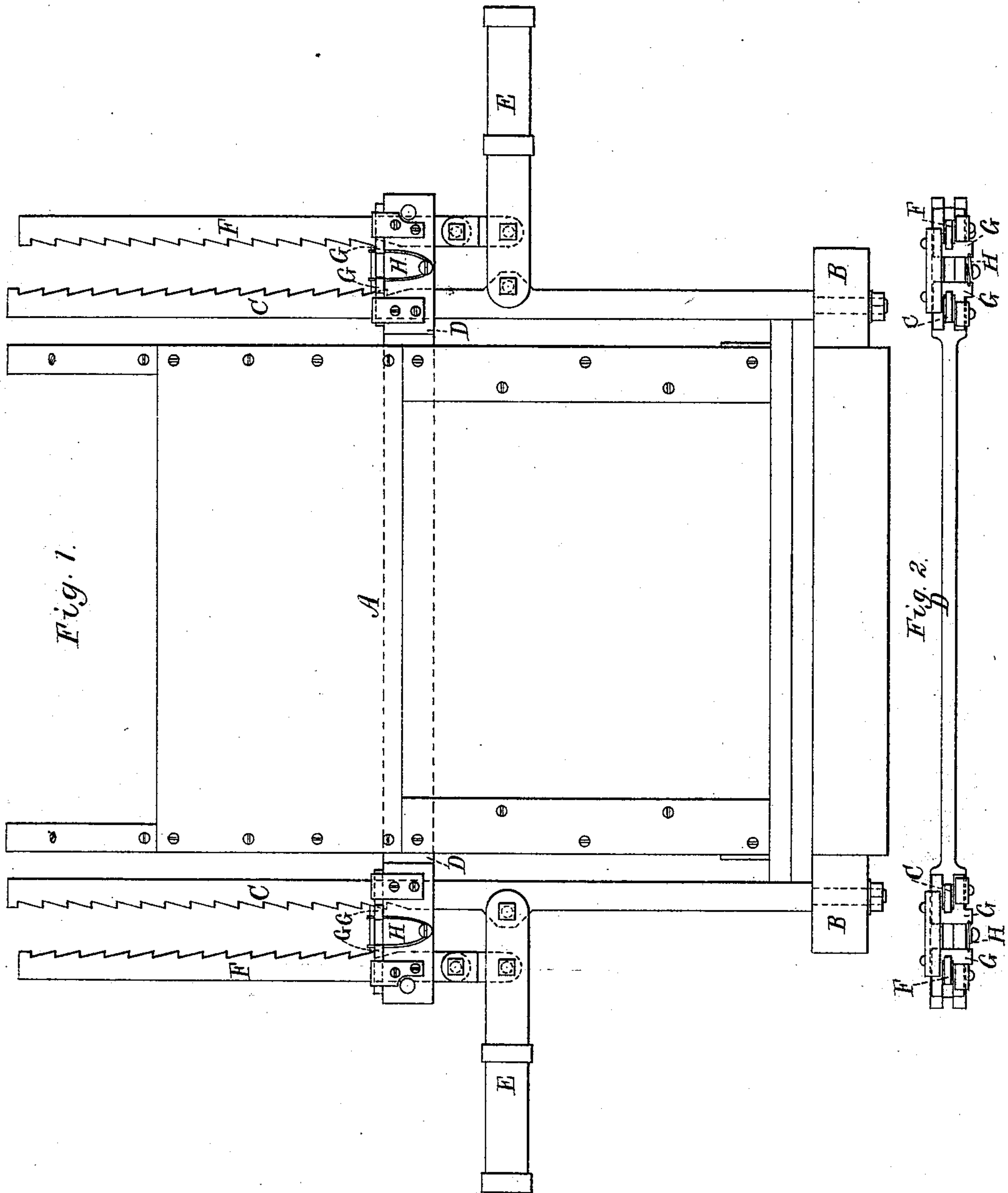
(No Model.)

W. H. WRIGHT.

HAY PRESS.

No. 250,866.

Patented Dec. 13, 1881.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## HAY-PRESS.

SPECIFICATION forming part of Letters Patent No. 250,866, dated December 13, 1881.

Application filed November 7, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. WRIGHT, of Belmont, of the county of Belknap and State of New Hampshire, have invented a new and useful Improvement in Hay-Presses; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation of a press provided with my invention. Fig. 2 is a top view of the follower-bar with its slide-catches.

My improvement relates to mechanism for operating or moving the said bar downward within the press, its nature being defined in the claims hereinafter presented.

In the drawings, A denotes the press-box, constructed in the ordinary way, there being underneath its bottom, and to extend in opposite directions therefrom, a bar, B. To this bar two serrated racks, C C, are fastened. These racks, arranged with the press-box in manner as represented, pass through the follower-bar D, which is extended across the press-box and through vertical slots in its ends, the said bar being projected beyond each of the said ends, in manner as shown. Each of the said racks C has one of two levers, E E, fulcrumed to it below the follower-bar D, and to each of said levers there is jointed one of two serrated racks, F F, which extends upward through and slides freely in the follower-bar. To operate with each rack F and its next adjacent rack C are two sliding catches, G G, they being arranged upon and adapted to the follower-bar D, so as to be capable of sliding toward or away from the two racks C F, in order to engage with their teeth, as occasion may require, such teeth being arranged as represented. Between the said two catches and fastened to the bar C is a bow-spring, H, which forces each of the catches toward its rack.

On laying hold of the longer arm of the two levers, and moving such arms alternately upward and downward, the bar D will be caused to intermittently descend within the press-box, for when each of the said levers is raised upward the rack F connected therewith will be forced upward, its catch slipping back on the teeth of the rack to allow of such. On depressing the lever the catch will be in engagement with the rack, and consequently the follower-bar D will be depressed, the other catch slipping backward on its rack C while the follower may be descending. Immediately after each downward movement of the follower-bar D the catches G G to the racks C C will by their springs be forced up into engagement with the said racks, so as to aid in retaining the bar in place while the levers may next be raised.

The follower-bar D is to extend immediately over and upon the follower, arranged in the press-box in the usual manner.

A press furnished with my improvement or mechanism for operating its follower-bar or platen may be used for pressing cotton or various other matters as well as hay.

I claim—

1. The levers E E, stationary and movable serrated racks C C F F, two sets of catches, G, and their operative springs H, combined and arranged with the follower-bar and press-box in manner and so as to operate the said bar substantially as set forth.

2. The combination of the stationary and movable serrated racks C F, their sets of catches G, spring H, lever E, and bar D, all arranged and to operate substantially as set forth.

WILLIAM H. WRIGHT.

Witnesses:

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