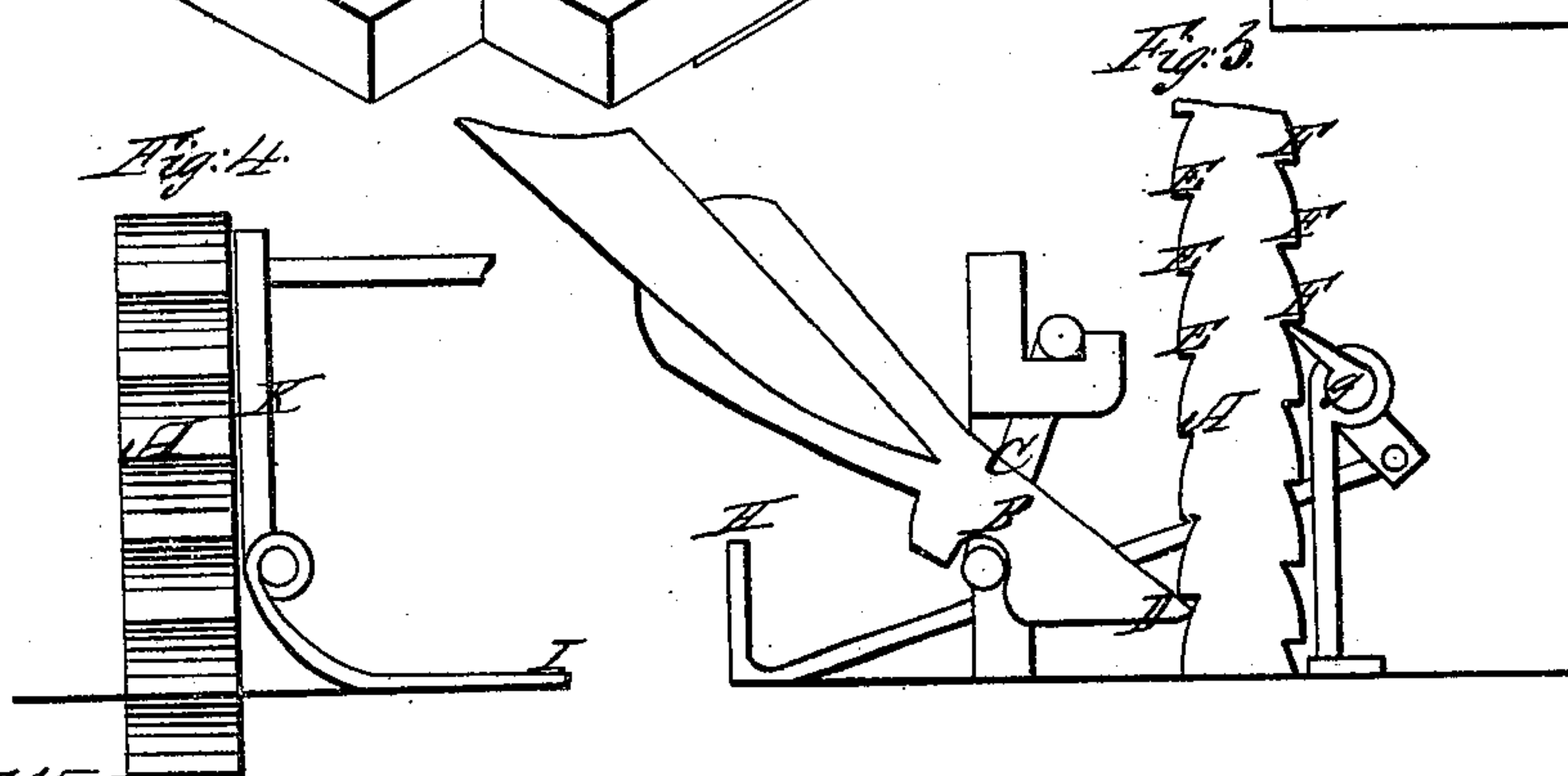
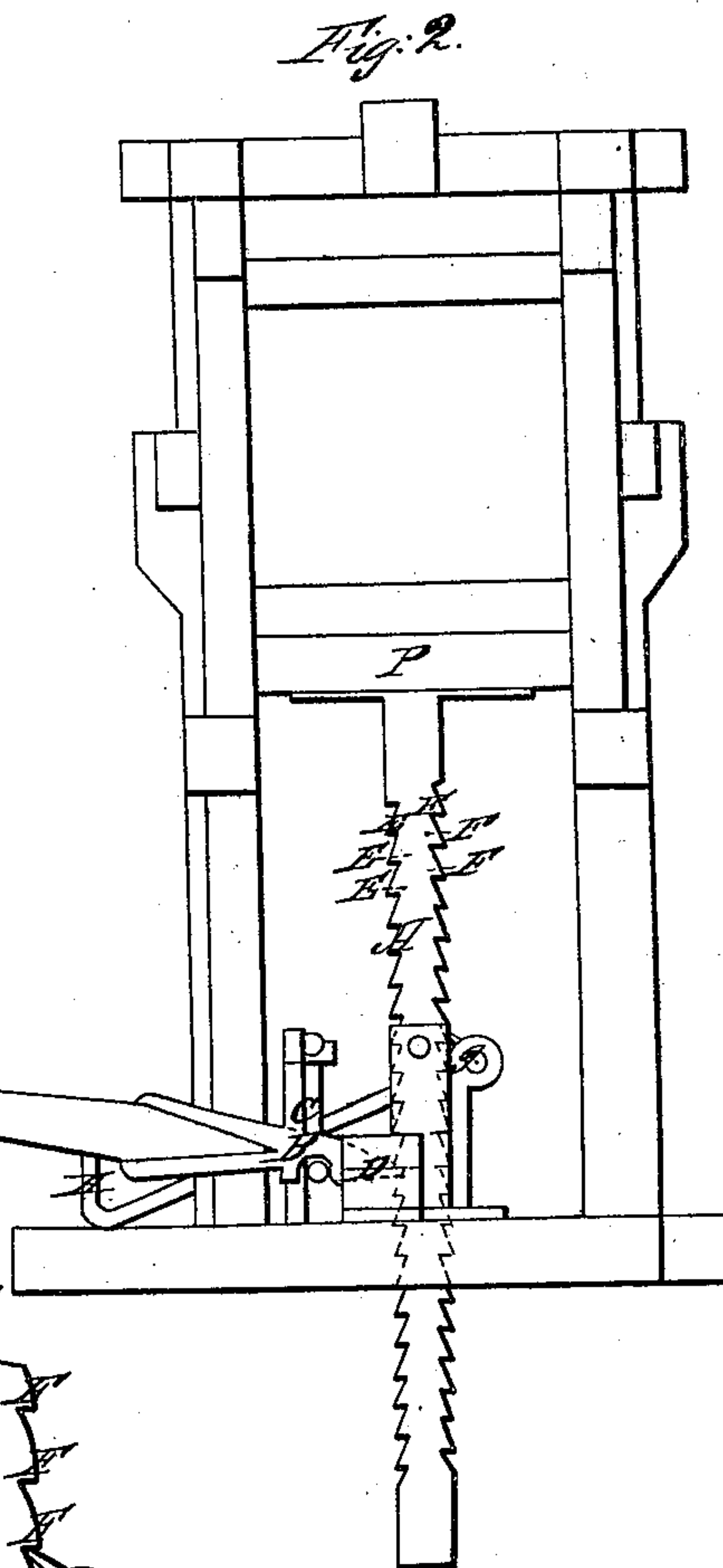
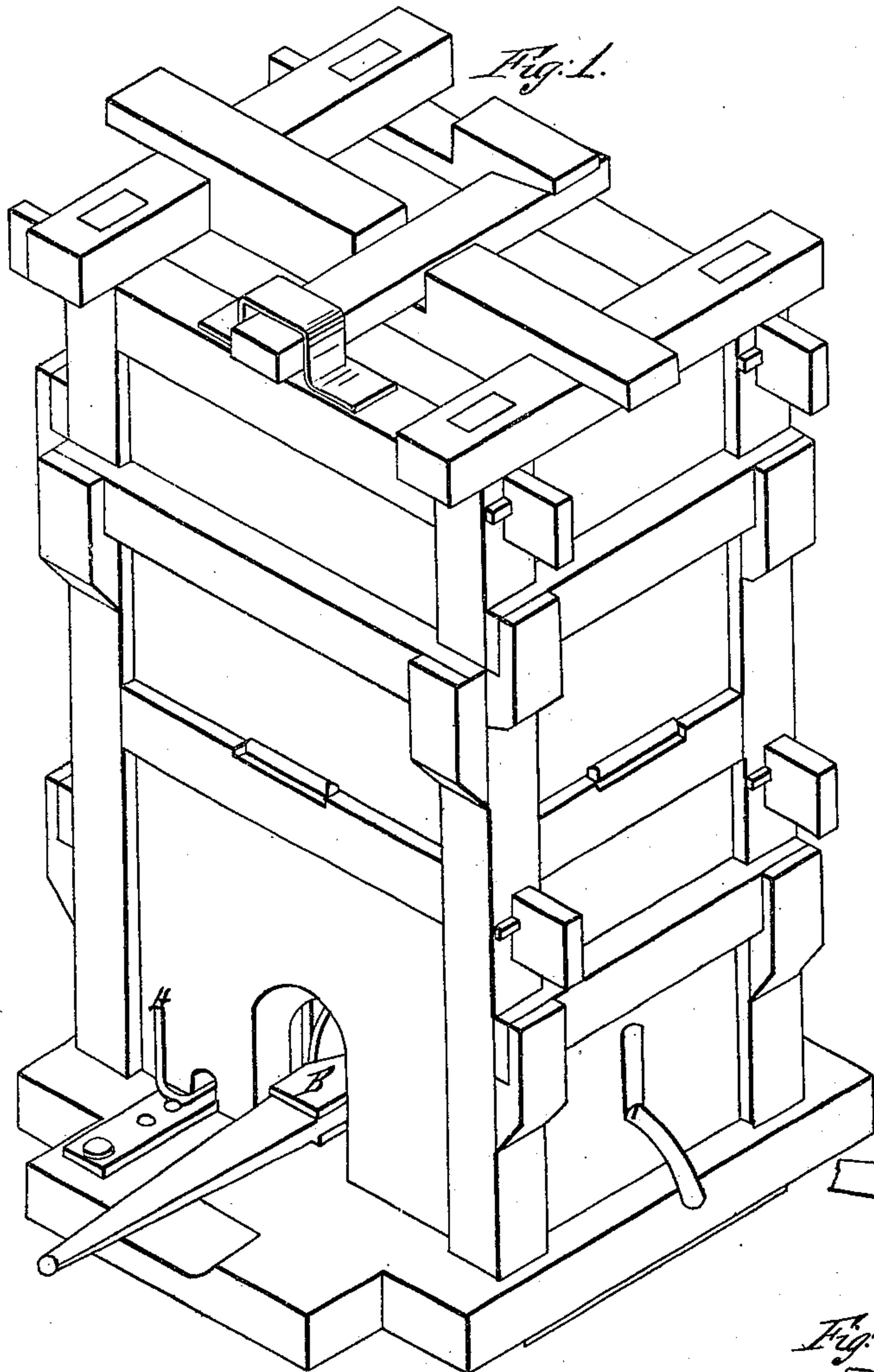


W. Haynie.

Cotton Press.

N<sup>o</sup> 109,897.

Patented Dec. 6, 1870.



Witnesses:

James B. Crote  
H. P. Schutze

Inventor:

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# United States Patent Office.

WILLIAM HAYNIE, OF MEMPHIS, TENNESSEE.

Letters Patent No. 109,897, dated December 6, 1870.

## IMPROVEMENT IN COTTON-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, WILLIAM HAYNIE, of the city of Memphis, in the county of Shelby and the State of Tennessee, have invented a new and improved Mode of Pressing Cotton into Bales; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and the letters of reference marked thereon.

The annexed drawing consists of—

Figure 1, a perspective view.

Figure 2, section of machine.

Figure 3, enlarged section of apparatus.

Figure 4, staff and brake.

The nature of my invention consists in supplying to the usually constructed box and frame of a cotton-press a power whereby the platen or bottom can be so raised and held in position by the application of manual power applied by means of a lever, that the cotton contained in the box can be pressed into a bale, which power is obtained by means of having attached to the bottom or under side of the platen a staff, notched at equal distances, operated upon by a lever working in a stirrup, and biting on these notches and working the staff up, the staff being held in position gained by notches on the opposite side by a catch working the same.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my box and frame in the usual manner as ordinary presses for cotton, adapting the method of pressing upward and taking the bale from the upper portion.

I attach to the bottom or platen P, fig. 2, which is movable, an iron staff, A, notched on opposite sides, E E E and F F F. This staff projects down and through bottom of the machine.

On one side, and opposite, being in front of notches E E E on staff A, is suspended a stirrup, C.

Suspended in this stirrup as a fulcrum I work a lever, B, figs. 2 and 3.

The toe D of lever B works in notches E E E.

On the opposite side is a movable catch, G, figs. 2 and 3, which operates in notches F F F.

H is a long rod projecting on outside of frame, and used to throw the catch in or out of gear.

K, fig. 4, is a brake, and operates on staff A by means of rod I.

I operate this power by first bringing the platen P, fig. 2, down as low as it will go. The top of the box being open, the cotton lint is filled in until the box is well filled. The top is then put on and secured by means of braces.

The lever B is now placed in the stirrup C, and, by working the long arm of lever down, the toe or point D is thrown up, which point catches in notches E E E of staff A, forcing or lifting the staff up; on each ascent of toe D the distance from one notch to the next is gained, staff A ascending, driving up platen P, and thereby pressing the cotton.

On the down action of toe D the staff A is held in place by catch G, figs. 2 and 3, operating in notches F F F, the staff A being worked up to its full height by the lever B. The lever is taken out if convenience requires, the staff A being held by catch G, operating in a notch, F. The bale is now ready for banding.

To release bale, apply brake K to side of staff A, fig. 4, by pulling lever or arm I. Catch G is to be now thrown out of notch F by pulling lever H, and staff gradually lowered to the desired distance.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the standard A with the levers B fulcrumed in the stirrup, C, the pulling-lever H, provided with the pawl G, and the platen P of the cotton-press herein described, all constructed and arranged as shown, for the purpose set forth.

WILLIAM <sup>his</sup> X HAYNIE.  
mark.

Witnesses:

JAMES B. COOK,

A. F. SCHÜLZE.