

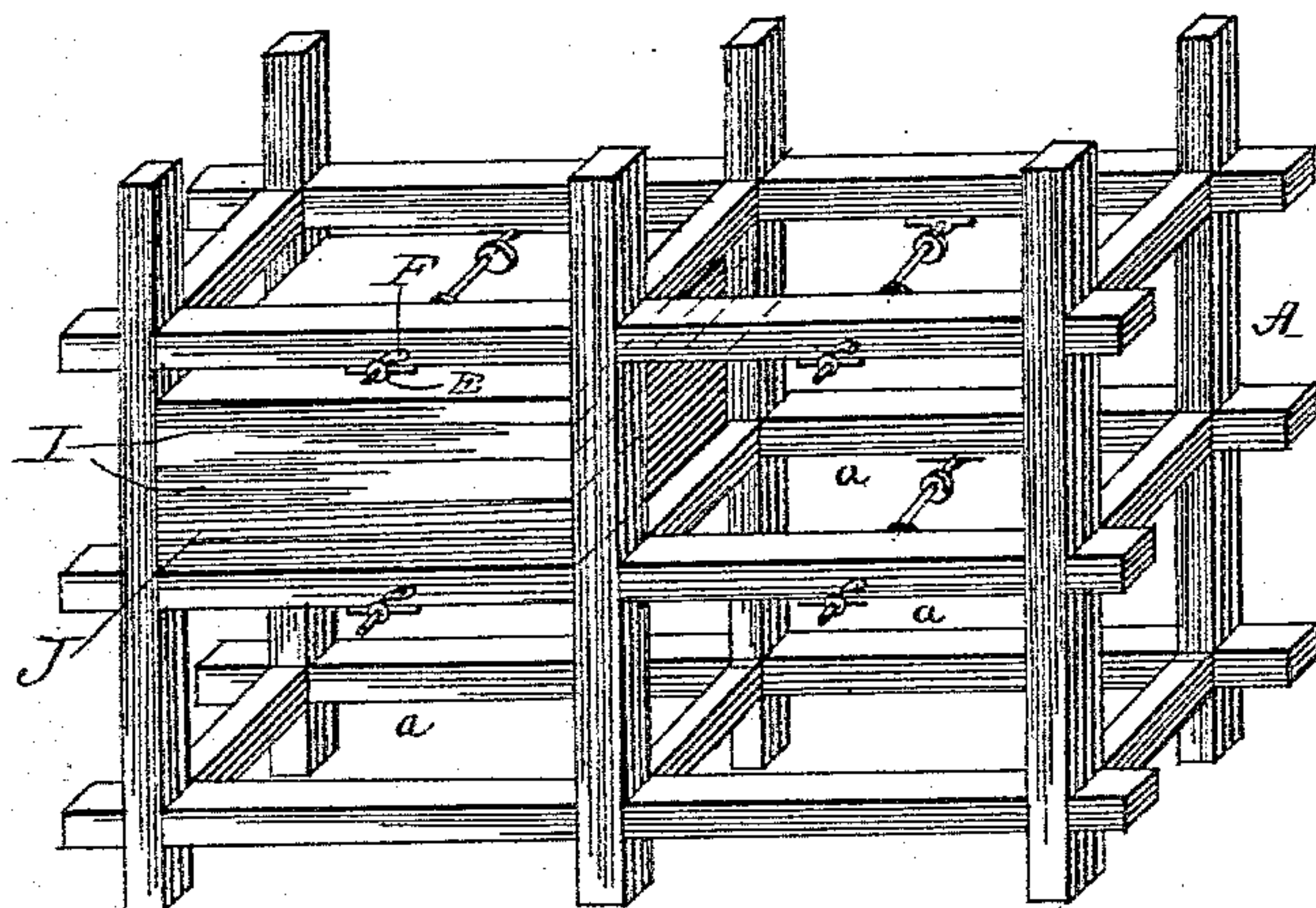
(No Model.)

D. B. COOKE.  
PRESS.

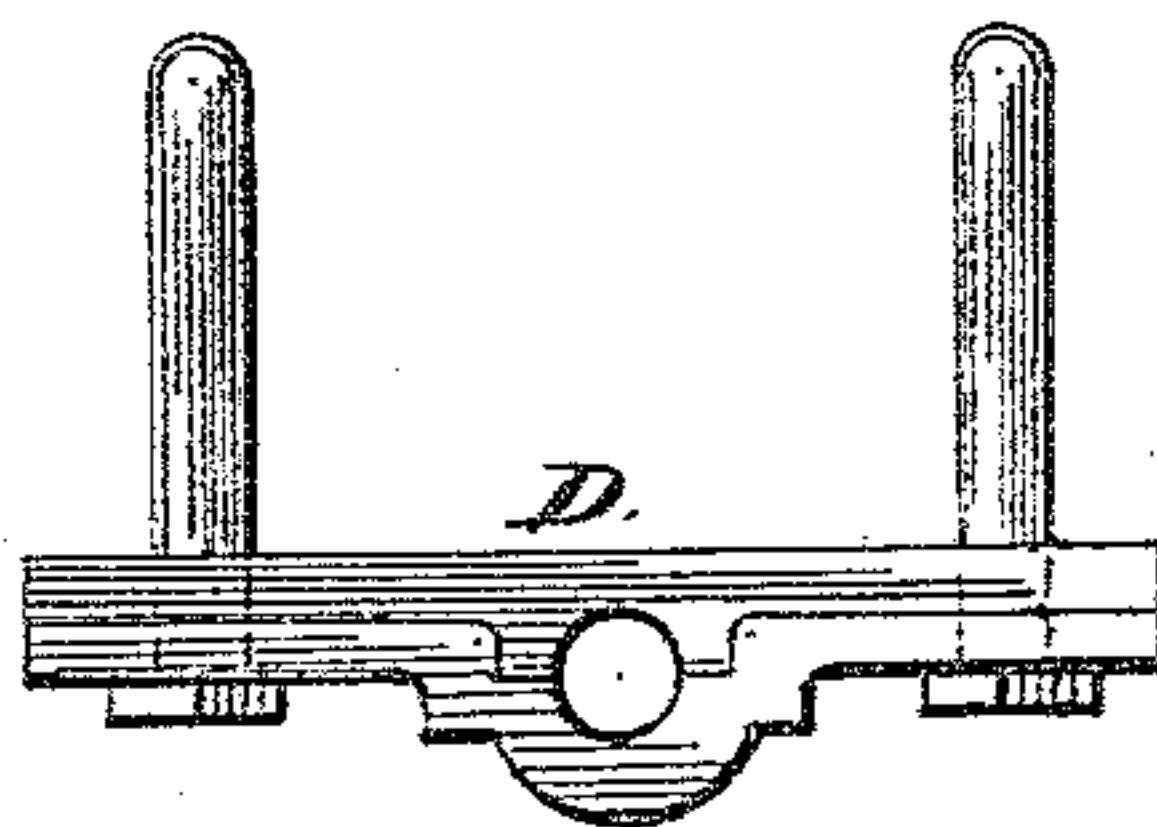
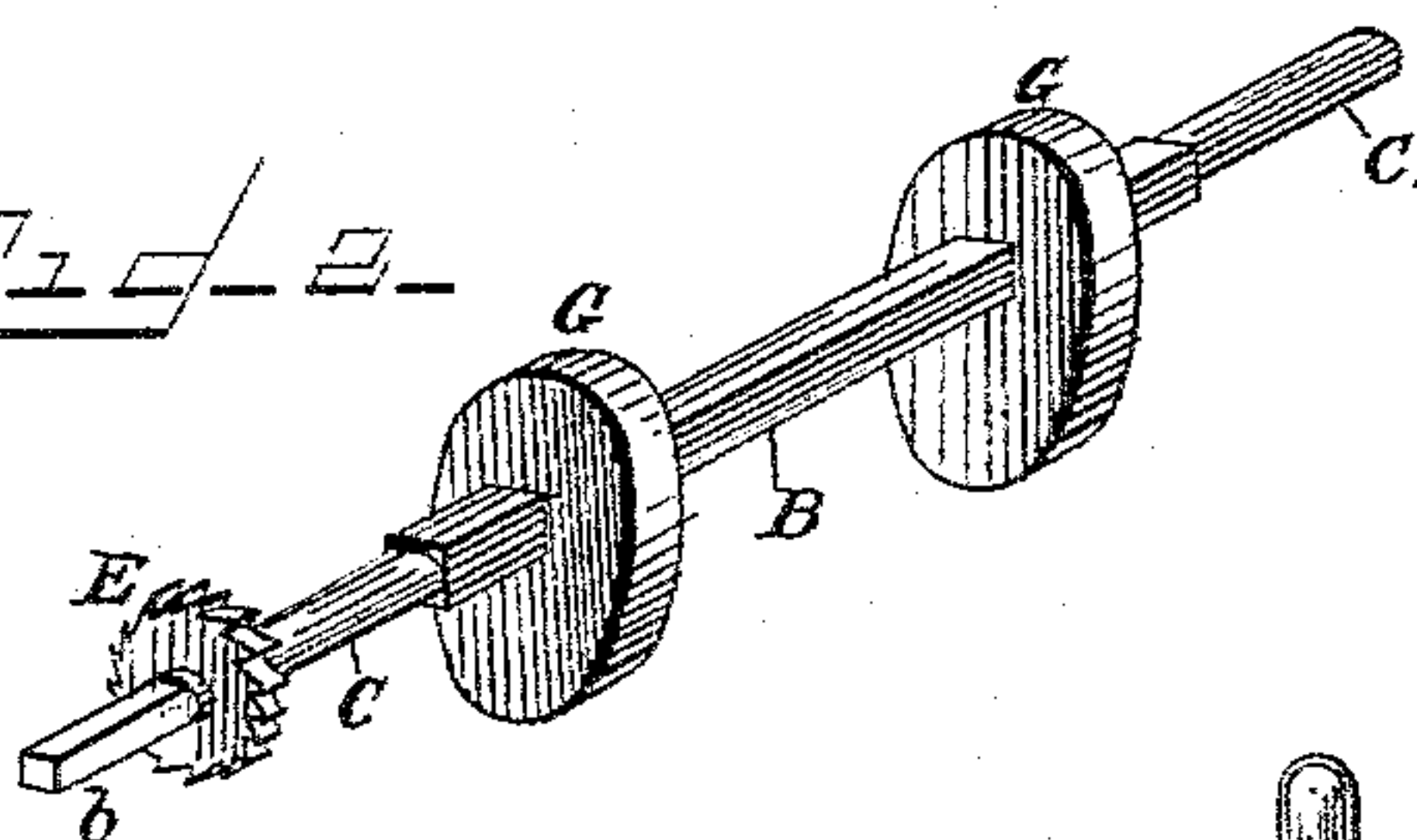
No. 356,681.

Patented Jan. 25, 1887.

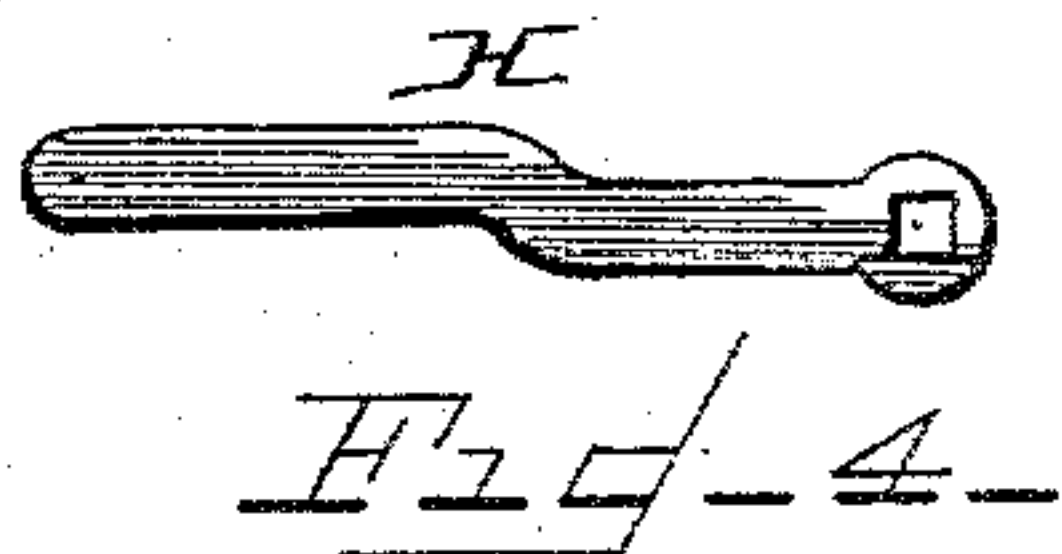
*Fig. 1*



*Fig. 2*



*Fig. 3*



*Fig. 4*

Witnesses

*R. H. Bishop.*  
*H. Stewart*

Inventor

*D. B. Cooke*

By his Attorney

*H. J. Ennis.*



# UNITED STATES PATENT OFFICE.

DAVID B. COOKE, OF BINGHAMTON, NEW YORK, ASSIGNOR OF ONE-HALF TO  
FREDERIC STILES, OF SAME PLACE.

## PRESS.

SPECIFICATION forming part of Letters Patent No. 356,681, dated January 25, 1887.

Application filed January 25, 1886. Serial No. 189,632. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID B. COOKE, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Presses; and I do 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 the letters and figures of reference marked thereon, which form a part of this specification.

My invention has relation to a new and novel form of press for compressing various articles into compact form—such as tobacco, vegetables, and the like—and the object is to simplify the construction of the same; and to this end the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same letters of reference indicate like parts of the invention.

Figure 1 is a perspective view of my improved press. Fig. 2 is a perspective view of one of the compression-shafts. Fig. 3 is a detail view of the journal-box, and Fig. 4 shows the operating-lever.

A A is the frame-work of the press, and may be of any approved form or construction, and it is divided off into a series of compression-spaces, *a a a a*.

B is a square shaft suitably mounted on its journals C C in boxes D D in the upper portion of each space *a*.

E is a ratchet-wheel rigidly secured to said shaft B on the outside of the frame A, and F is a pawl secured to the side of the frame, so as to engage said ratchet-wheel and lock it in position when desired.

G G are eccentrics or cams cast upon or otherwise rigidly secured to the shaft B at suitable intervals between the sides of the frame A, to act upon the followers I, which are placed directly upon the boxes, forms, or molds J, which carry the article being pressed. The molds J are placed in position in the spaces *a* upon any suitable immovable supports, and the article to be pressed into form is placed in the molds. The followers I are then placed over the molds, resting on the article to be pressed. The lever H is then fitted to the square head *b* of the shaft B and the pawl F dropped into engagement with the ratchet-wheel E. By operating the lever H the eccentrics G are made to bear upon the followers I and through them press the article being molded into the mold or former. The pawl and ratchet retain the several parts in whatever state they may be placed by the operation of the machine until released by raising the pawl.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A multiple press comprising an open rectangular frame composed of intersecting vertical and horizontal bars forming a series of compression-spaces, molds placed in these compression-spaces and supported by the horizontal bars, a shaft journaled in the upper portion of each of the compression-spaces, said shaft having a series of cams or eccentrics adapted to operate upon the molds and each having a ratchet-wheel upon its outer end, and a pawl pivoted to the frame and engaging the ratchet-wheel, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID B. COOKE.

Witnesses:

HARMON J. KNEELAND,  
WM. L. GRISWOLD.