

B. Porter,
Brick Mold,
No 81,405, Patented Aug. 25, 1868.

Fig: 1.

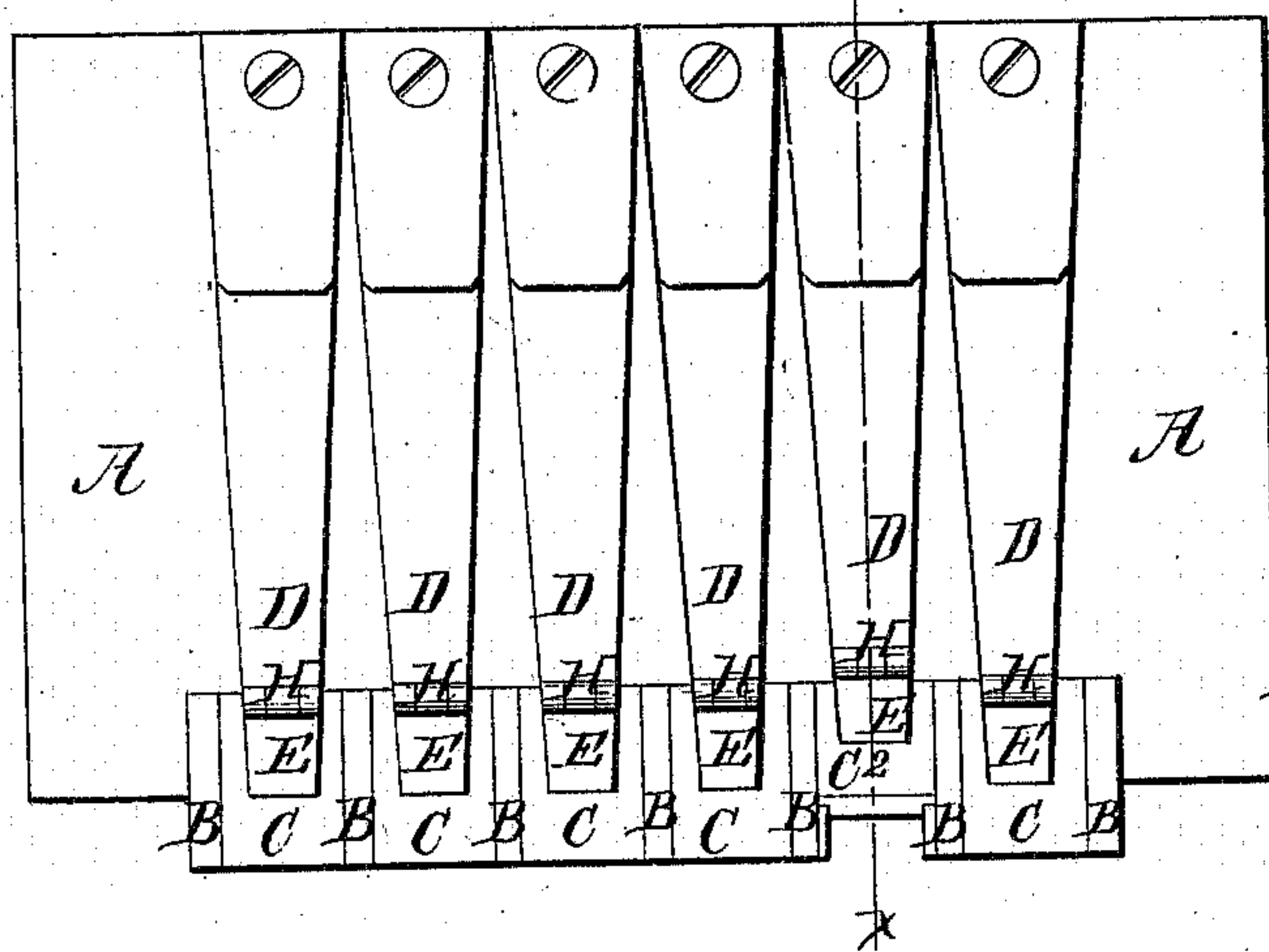


Fig 2.

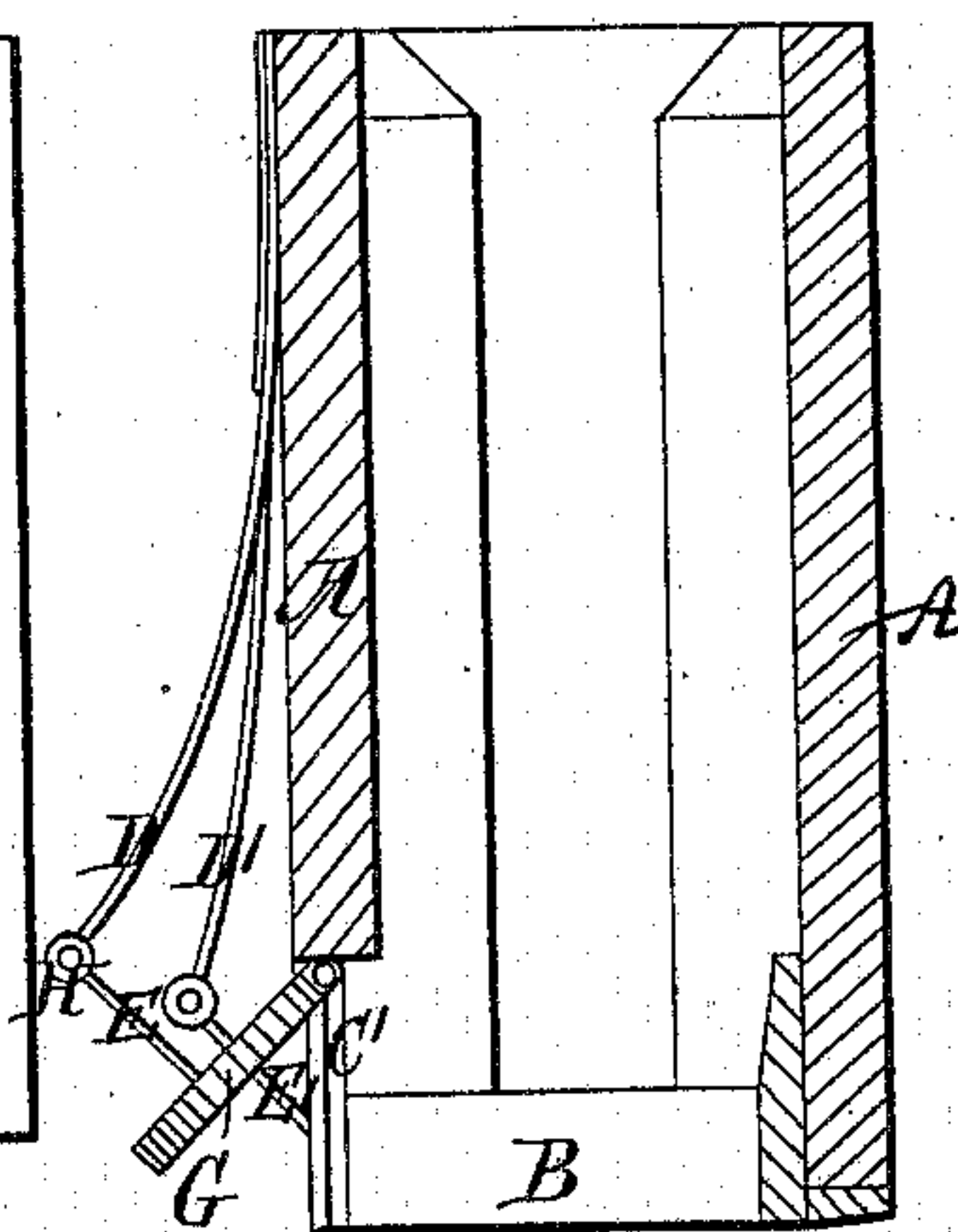
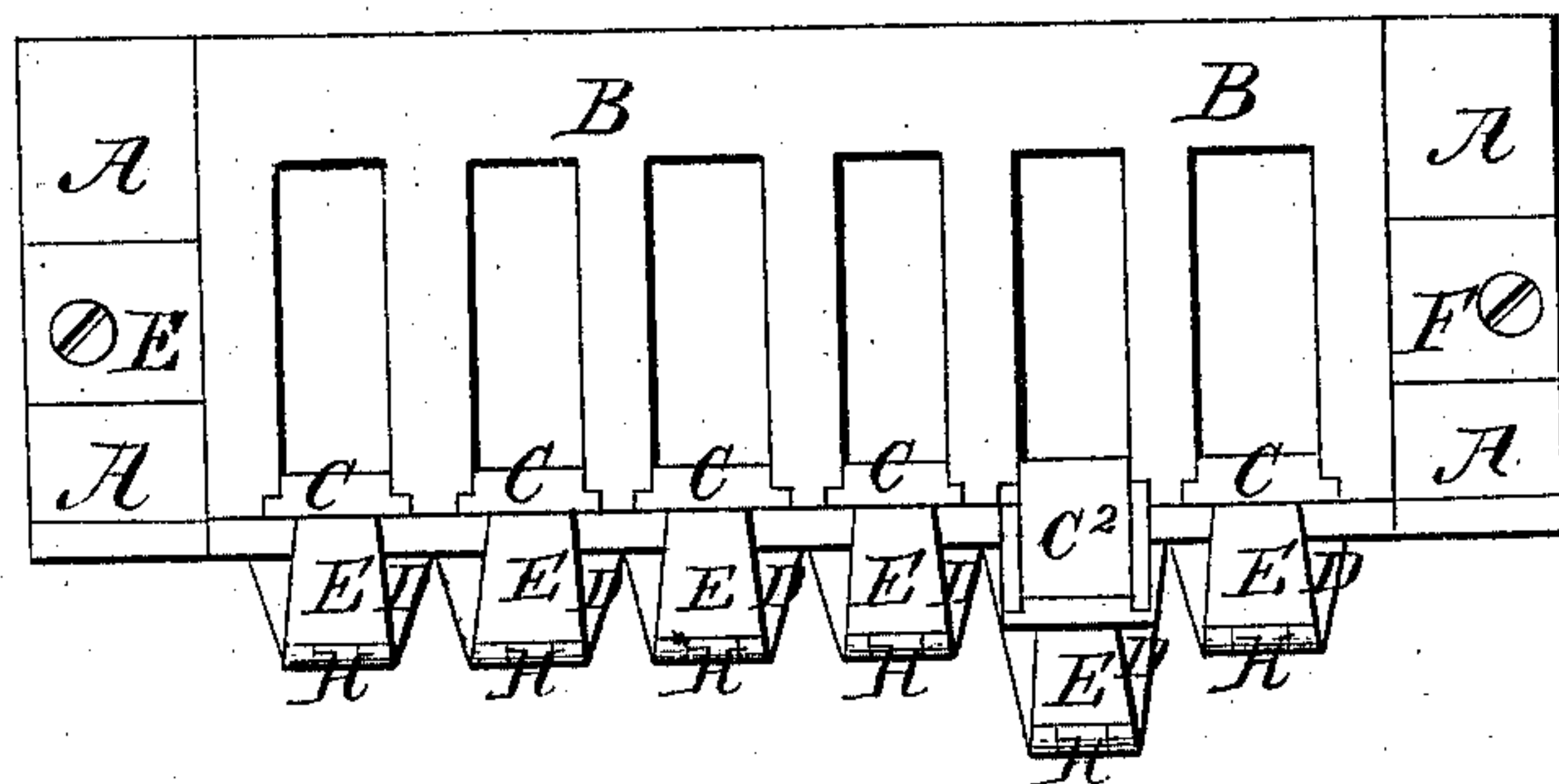


Fig: 3.



Witnesses;
H. S. Sprague
J. W. Houghton

Inventor;
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Per Attorney
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BENJAMIN PORTER, OF JACKSON, MICHIGAN, ASSIGNOR TO HIMSELF, JOHN GEORGE, THOMAS E. LUSK, ALFRED E. VANDERCOOK, AND OSCAR VANDERCOOK, OF SAME PLACE.

Letters Patent No. 81,405, dated August 25, 1868.

IMPROVED BRICK-MOULD SAFETY-GUARD.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN PORTER, of Jackson, in the county of Jackson, and State of Michigan, have invented a new and useful Improvement in Brick-Mould Safety-Guards; and do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a front view, with one door open.

Figure 2 is a sectional transverse view of the same from *x* to *x*.

Figure 3 is a bottom view of the same.

Like letters indicate like parts in each figure.

The nature of this invention consists in providing the front faces of jack-moulds for brick-machines with proper doors and springs, acting as safety-guards for the brick-moulds.

It is a well-known fact that in the manufacture of brick, stones or other obstacles often get into the moulds, and in removing the same, considerable time is lost, and the liability of losing the entire set of brick. To obviate these disadvantages, I construct and attach to frame A, at the bottom, the ordinary metallic jack-moulds B, the front faces of which are provided with suitable doors C, the same being kept closed by springs D and braces E. Should any obstacle have been pressed into the portable moulds, that projects above the upper face of the same, it is removed by the forward motion given said moulds in making room for others, by bringing the obstacle against the respective door in front, which same rises, allowing the obstacle to pass out, immediately flying back to place, after the passing out of said obstruction, by the action of the respective spring and brace on the same, as shown in fig. 2.

Having thus described the nature of my invention, I will now proceed to describe and name its various parts, so that those skilled in the art can manufacture the same.

A is a box or frame, and connected thereto at the bottom by arms F are the jack-moulds B, the front faces of which are provided with hinged doors C opening at the bottom. D are springs, rigidly attached at their tops to the front of box A, and provided at their lower ends with braces E, connected to the springs by hinge-joints H. Doors C are kept in proper position by the action of springs D upon braces E, the lower ends of which work freely in the respective recesses G, provided for the same in the front of doors C, as shown in fig. 2.

I do not claim broadly any kind of hinge, such as patented by William B. Barnard, April 9, 1850, as I confine my invention strictly to safety-guards of brick-moulds, on the operation of which my invention is an improvement, and to such only does my claim refer.

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

The springs D, when provided with hinge-joints H and braces E, which latter move in the recesses G of doors C, all operating and arranged substantially as described and for the purposes set forth.

BENJ. PORTER.

Witnesses:

R. SEMMES,

JAS. H. DYER.