

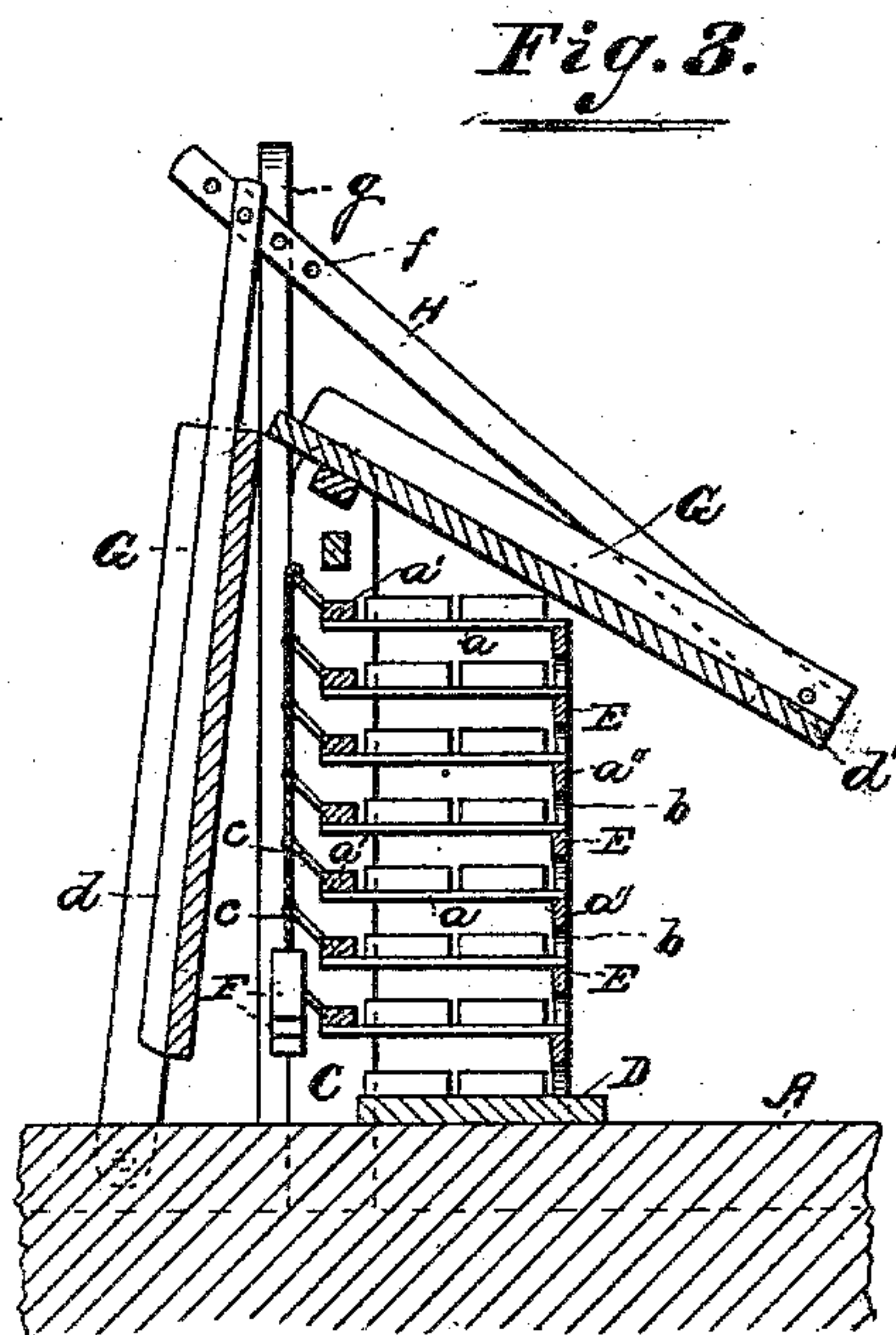
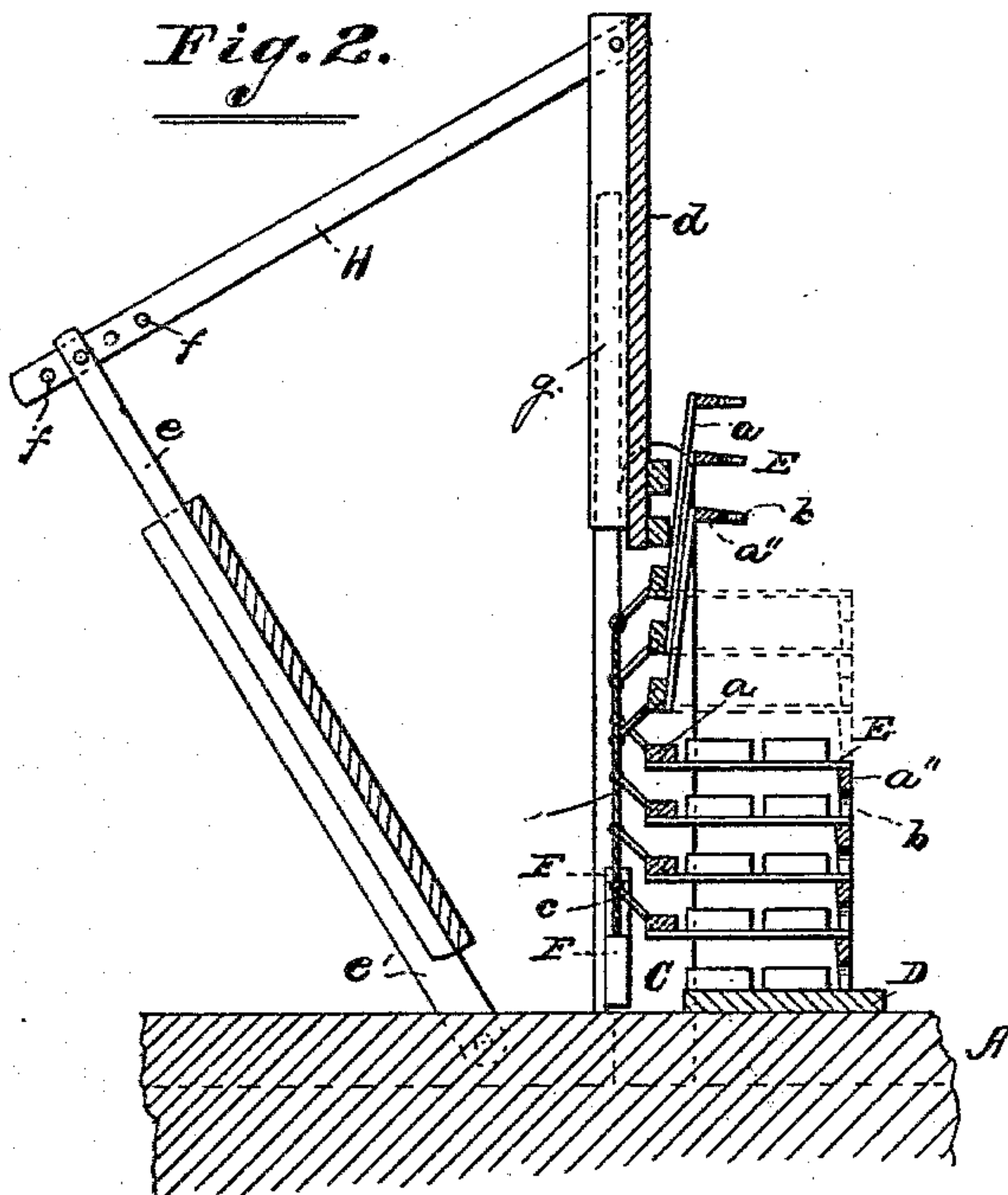
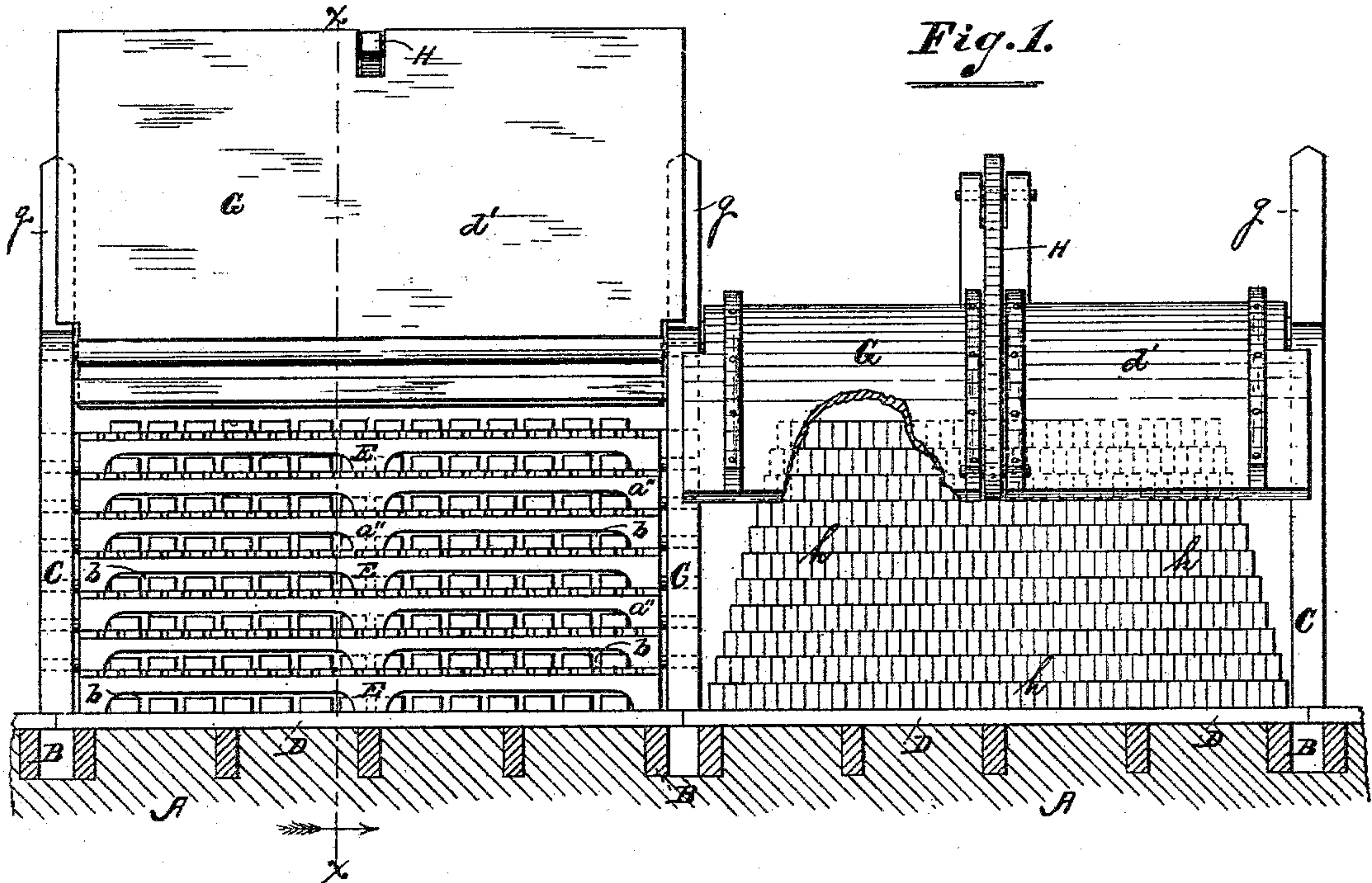
(No Model.)

2 Sheets—Sheet 1.

J. BLUM.
BRICK DRIER.

No. 296,814.

Patented Apr. 15, 1884.



Witnesses.

Henry Frankfurter.
W. S. Baker.

Inventor.

Joseph Blum
per. *F. F. Warner*
his Attorney.

(No Model.)

2 Sheets—Sheet 2.

J. BLUM.
BRICK DRIER.

No. 296,814.

Patented Apr. 15, 1884.

Fig. 4.

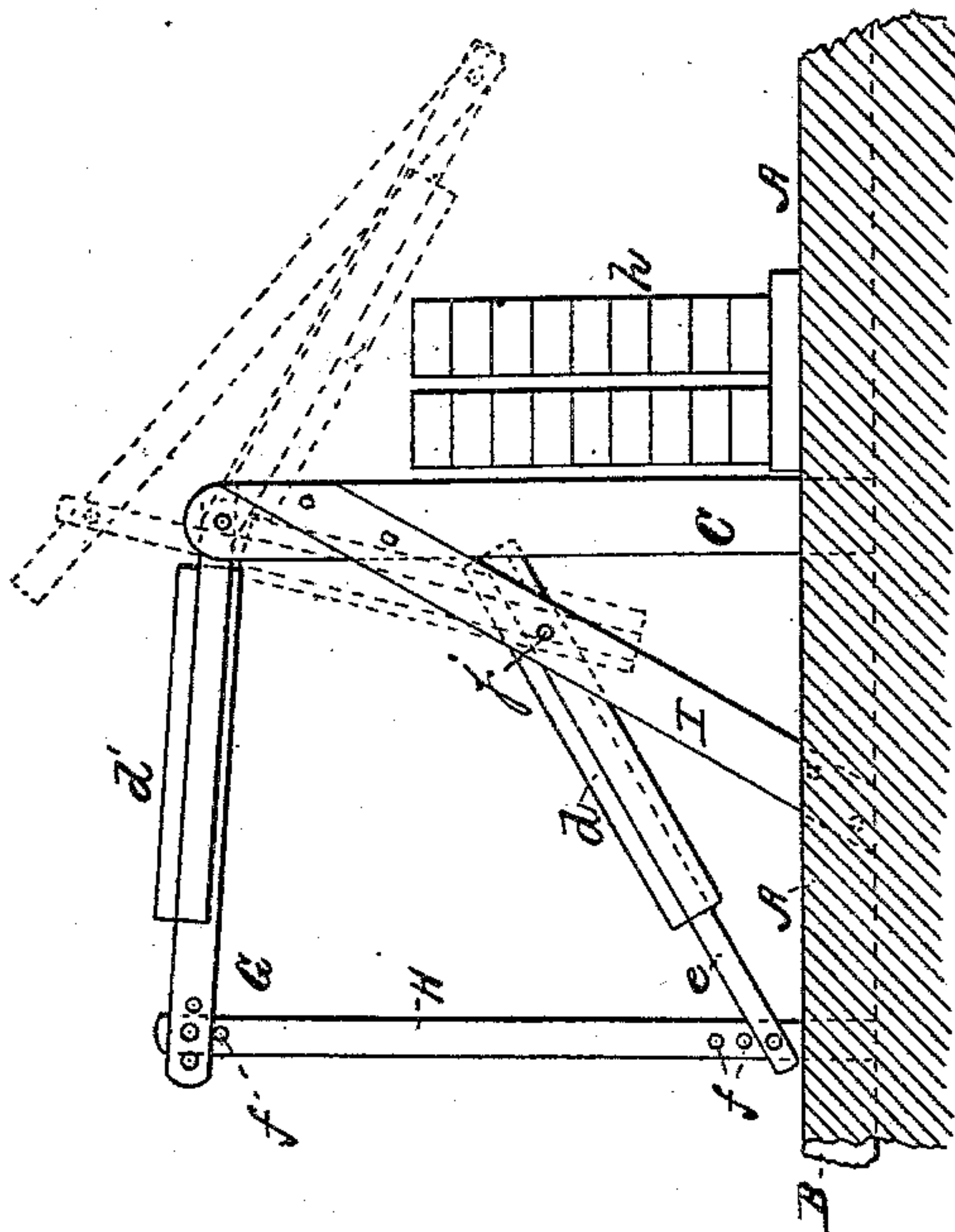
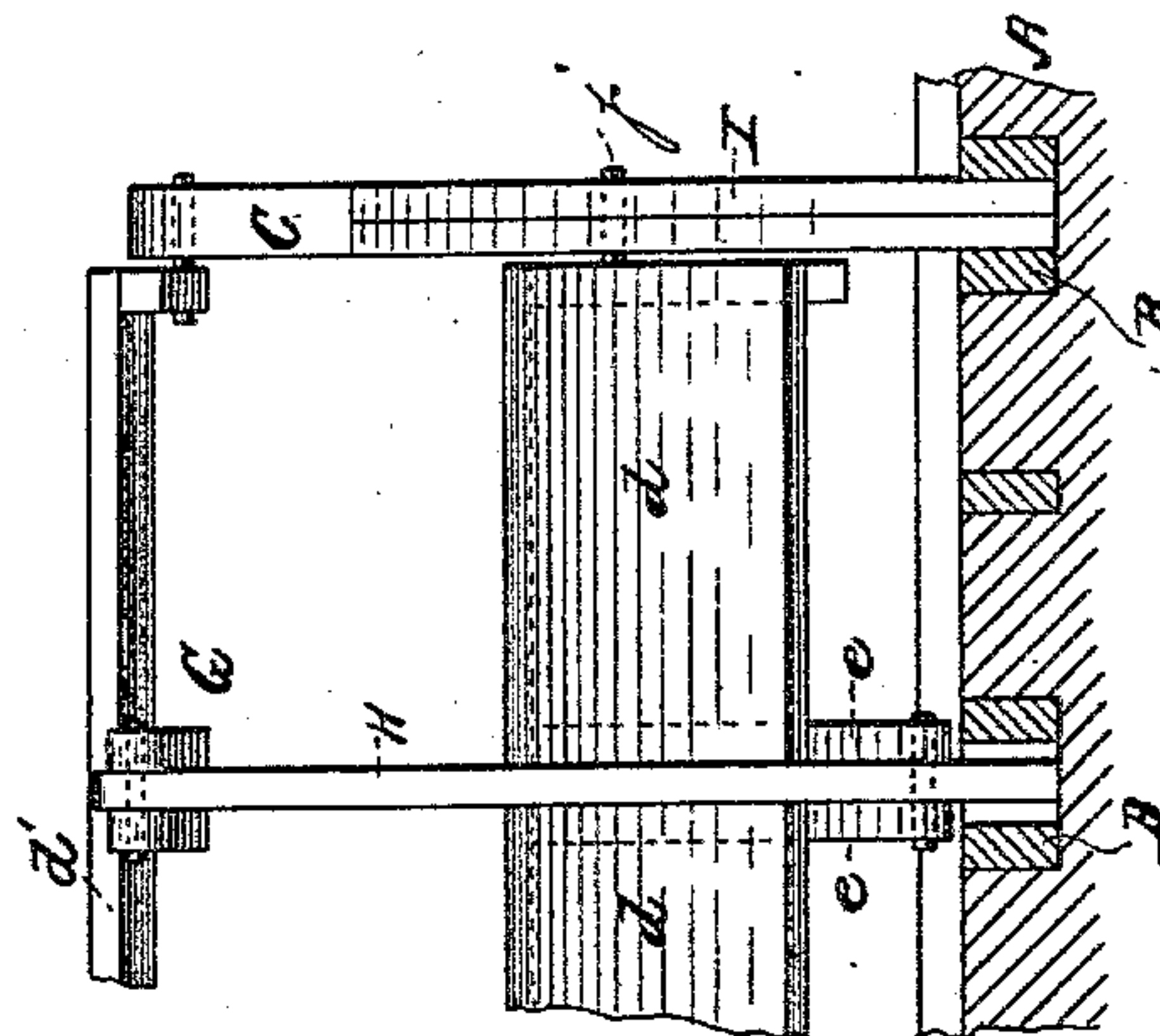


Fig. 5.



Witnesses.

Camp Frankfurter.
 W. L. Baker.

Inventor.

Joseph Blum

per. F. F. Warner
his Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH BLUM, OF WINNETKA, ILLINOIS.

BRICK-DRIER.

SPECIFICATION forming part of Letters Patent No. 296,814, dated April 15, 1884.

Application filed February 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BLUM, residing at Winnetka, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Brick-Driers, of which the following, in connection with the accompanying drawings, is a specification.

In the drawings, Figure 1 is a front elevation of a brick-drier embodying my improvements. Fig. 2 is a section in the plane of the line *xx* of Fig. 1, viewed in the direction indicated by the arrow there shown, the covers and some of the pallets being represented in their raised positions. Fig. 3 is a like representation, showing the covers and pallets lowered. Fig. 4 is an end view, showing a modification in the manner of connecting and arranging the covers, and Fig. 5 is a rear view of the same.

Like letters of reference indicate like parts.

A represents the ground, and B B are sleepers or floor-timbers therein. C C are vertical posts.

D is the floor of the drier.

E E are the pallets. These pallets I make, by preference, by fastening a number of narrow pieces or strips, *a a*, to the under side of a rear bar, *a'*, and to the upper edge of a front piece, *a''*. The pieces *a a*, I arrange slightly apart from each other, and I cut away the front pieces, *a'' a''*, as shown at *b*, thus securing good ventilation, as will hereinafter more fully appear. The ends of the bars *a' a'* enter the posts C C, and serve as spindles or journals, which permit the pallets to be turned thereon, so that they may be arranged one above the other horizontally, and also raised, as indicated in Fig. 2.

F F are weights connected to small arms *c c*, extending from the bars *a' a'*, the said weights performing the function of retaining the pallets temporarily in their raised position.

G is the cover or roof of the drier. This roof I make in two parts or sections, *d d'*. The part or section *d* is hinged at or near its lower corners to sleepers or other fixed parts, and the section *d'* turns in bearings in the posts C C somewhat in the same manner as the pallets.

H is a connecting-arm, hinged or pivoted at one end to the section *d'* and to the section

d. In practice, I deem it best to connect the arm H to a cleat or projecting arm, *e*, attached to the said section, and to pivot the projecting ends *e' e'* of the side rails or bars to the sleepers, as indicated in Figs. 2 and 3; but these details may be varied without a departure from my invention. I also deem it best, but not absolutely essential, to make a number of holes, *f f*, in the rear end of the arm H, so that the distance between the joints or pin-tles connecting the said arm to the roof-sections may be varied.

In arranging soft or unpressed bricks into the drier, I first raise all the pallets and place the first row of bricks upon the floor D, and then lower the lower pallet, thus covering the first or lower row of bricks, but not preventing ventilation. The next row of bricks I lay upon the pallet last referred to and lower the next upper pallet, and so on until the pallets are filled.

To remove the bricks I remove those upon the upper pallet, then raise or fold up that pallet, thus exposing or uncovering the next lower row of bricks, which may be removed, and so on in like manner until all the bricks are removed.

To protect the bricks from the sun or rain further, I arrange the cover or roof G in the manner indicated in Fig. 3; but when such protection is not required I arrange it as shown in Fig. 2. The section *d'* will then stand vertically, while the section *d* serves as a weight to retain it there temporarily, the section *d'* then bearing against extensions *g g* of the posts C C, or other suitable stops; but these stops are not essential, excepting for the purpose of preventing the section *d'* from being moved back farther than may be desired.

When the bricks are hard-pressed before being arranged in the drier, they may be piled one upon the other, as indicated at *h*, Fig. 1, and in such cases the pallets are not essential.

In the example or modification shown in Figs. 4 and 5, the section *d* is hinged or pivoted to braces I I, as indicated at *j*, and the section *d'* is permitted to turn back horizontally behind the posts C C, thus also allowing the section *d* to fall further back than shown in Fig. 2, and in this modification the arm H serves as a rest or support for the unfolded or

open sections; but any other suitable support may be employed.

I desire to state that the pallets may be inclined, if deemed best, sufficiently to drain
5 off water; but I do not here intend to claim the said folding pallets, broadly.

I am aware that a roof or cover made in two folding sections, each section consisting of a broad leaf and of a narrow leaf hinged
10 together, have heretofore been made; but I do not here intend to claim the same, the distinctive feature between that construction and mine being that the said double sections are independent or not connected to each other,
15 whereas mine are so connected that both sections are set, folded, or adjusted when either is folded or turned upon its bearings.

Having thus described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

The combination, in a brick-drier, of a stationary frame or support, and a cover or roof, G, consisting of two swinging or folding parts or sections, *d* and *d'*, hinged or connected to each other by means rendering both of the said
25 sections simultaneously folding when either is folded or adjusted, substantially as and for the purposes specified.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

JOSEPH BLUM.

Witnesses:

D. J. CROCKER,
F. F. WARNER.