

(No Model.)

O. C. HOLDEN.
GRATE ATTACHMENT.

No. 446,681.

Patented Feb. 17, 1891.

FIG. 1.

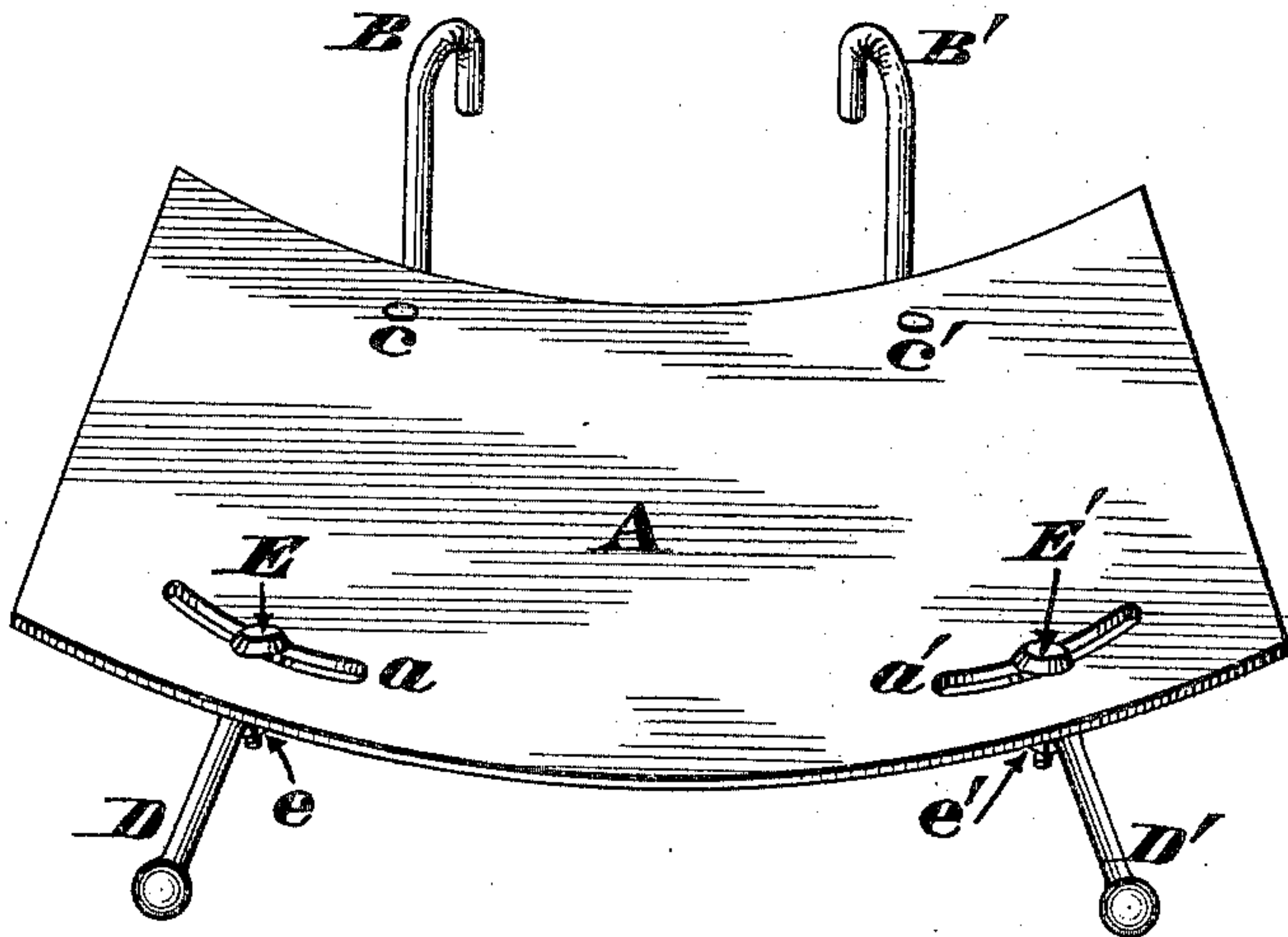


FIG. 2.

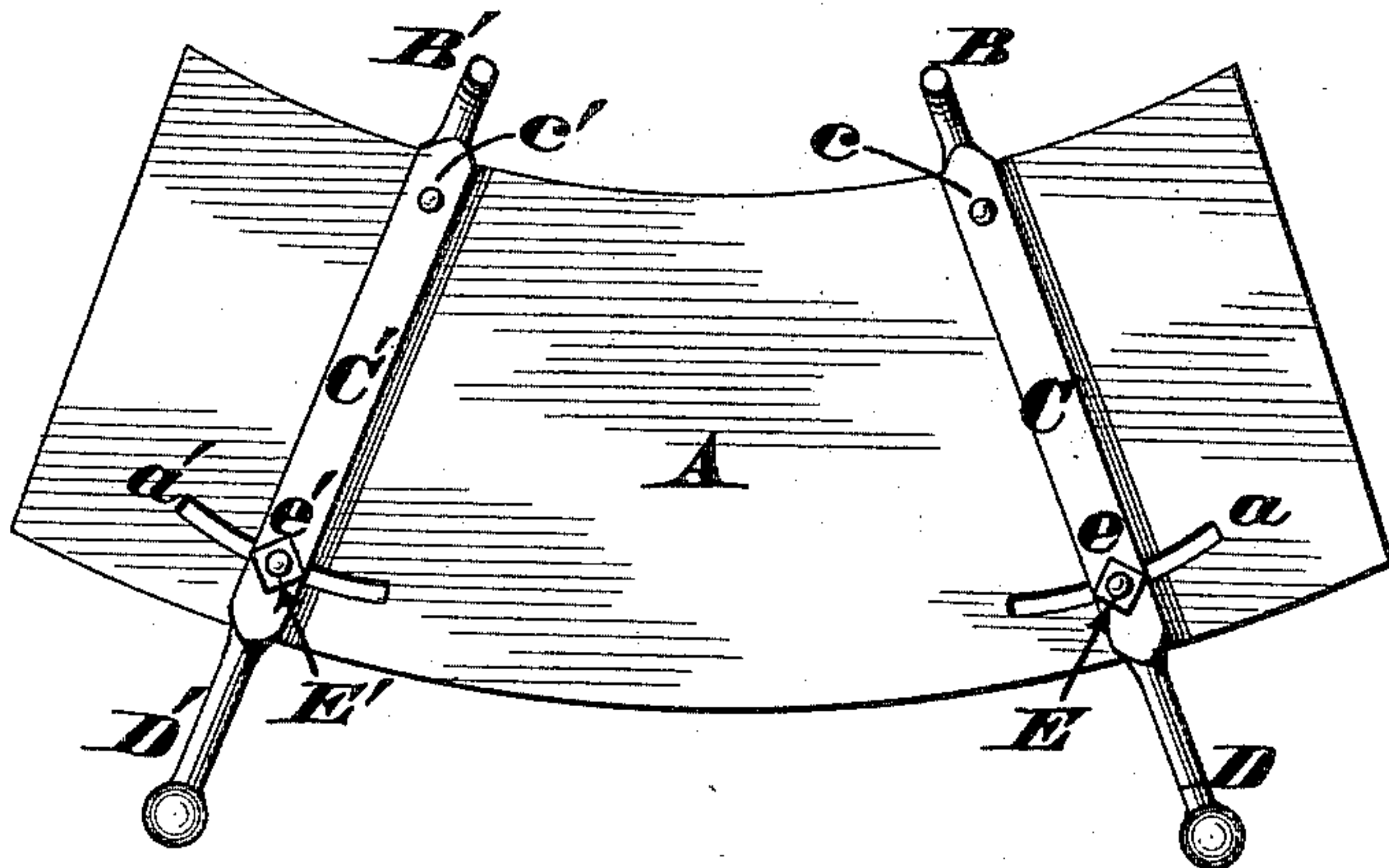
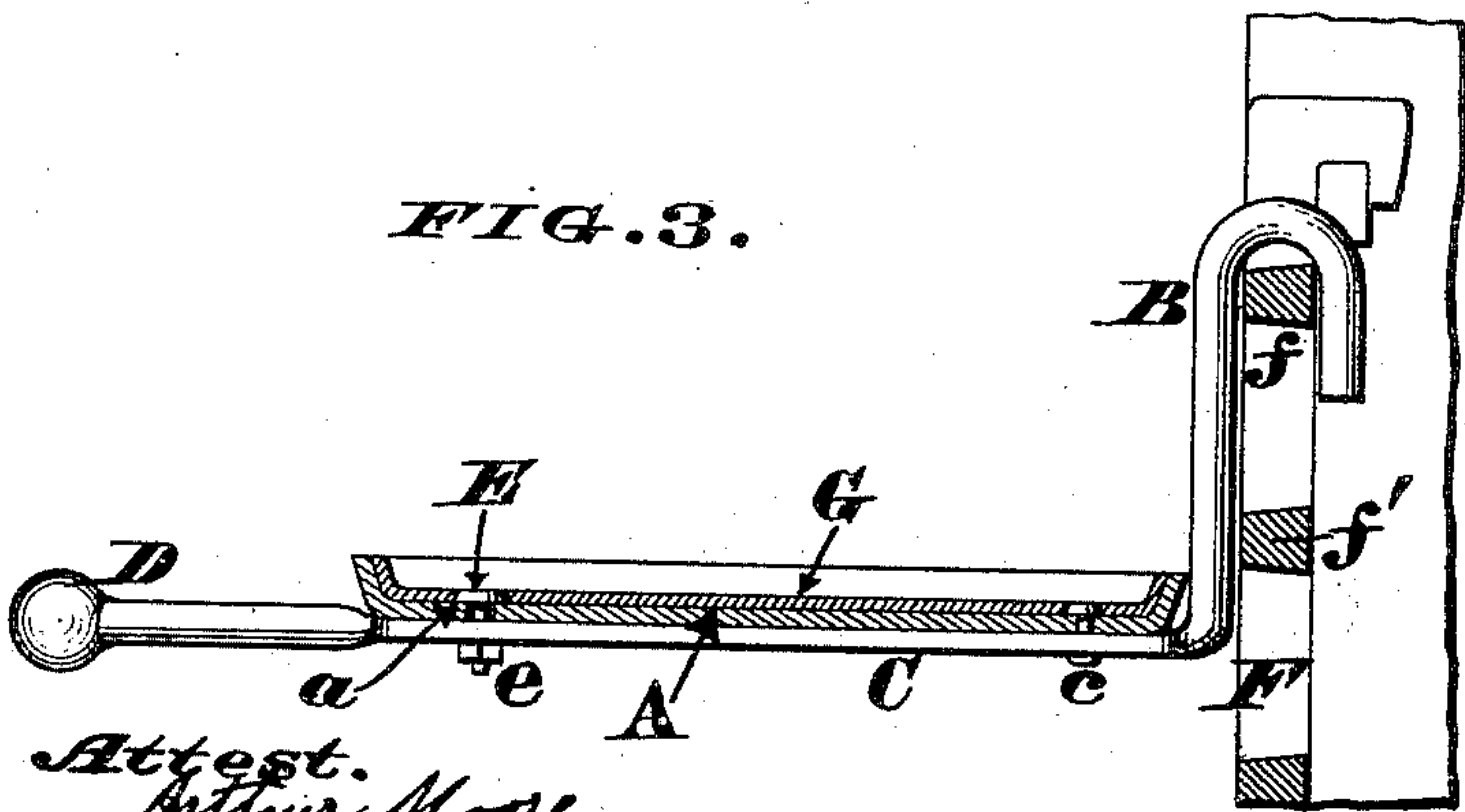


FIG. 3.



Attest.
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UNITED STATES PATENT OFFICE.

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GRATE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 446,681, dated February 17, 1891.

Application filed August 23, 1890. Serial No. 362,804. (No model.)

To all whom it may concern:

Be it known that I, OLIVER C. HOLDEN, a citizen of the United States, residing at Higginsport, in the county of Brown and State of Ohio, have invented certain new and useful Improvements in Grate Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the annexed drawings, which forms a part of this specification.

This invention relates to those shelves or shallow pans having at their rear a pair of hooks capable of engaging over one of the horizontal bars of an ordinary grate, the rods of which said hooks are composed being carried under the shelf, so as to support it, and then extend out a suitable length in front of said shelf, whereby said extensions serve as handles for the device; and my improvement consists in pivoting these rods near the rear edge of the shelves or pans, and providing slots and bolts or screws that permit a lateral play of the handles, by which arrangement the hooks can be readily set to adapt the shelves to different forms of grates, as hereinafter more fully described.

In the annexed drawings, Figure 1 is a perspective view of my grate attachment. Fig. 2 is a plan of the under side thereof. Fig. 3 is an enlarged vertical section showing the attachment applied to a grate, said section being taken in the plane of one of the handles.

The principal member of my attachment is a plate or shelf A, usually of the segmental shape shown, and provided with a pair of hooks B B', capable of being readily engaged over either one of the horizontal bars of an ordinary grate. These hooks are integral with flat rods C C', whose front ends project a sufficient distance beyond the shelf A to form handles D D', wherewith the attachment is manipulated. The flat rods C C' are located under the shelf, so as to support it, and are connected thereto by pivots c c' near the rear edge of said shelf, slots a a' being provided near the front edge of the latter, which slots are respectively concentric with said pivots. Slot a is traversed by a bolt or screw E, which, after passing through the rod C, has a nut e screwed on its lower end. E'

is a similar bolt or screw passing through the slot a' and rod C' and provided with a nut e'.

F in Fig. 3 is part of a grate, and f f' two of the horizontal bars of the same.

My attachment is applied to a grate in the following manner: The handles D D' are grasped and the bends of hooks B B' engaged over the upper bar f of the grate, the vertical prolongation of said hooks bearing against the front of bar f', and thus serving to keep the shelf A in a practically horizontal position, as seen in Fig. 3, in which position the shelf may be utilized for various purposes. If the front bars of the grate should be straight, the handles D D' must be adjusted toward each other, so as to cause a corresponding separation of the hooks B B', and enable their ready engagement with said bars; but if these bars are bowed outwardly to a considerable degree the handles must be so adjusted as to bring the hooks near together, in order that they may grasp such curved bars. The adjustments are readily effected after slackening the nuts e and e', and as soon as the hooks are brought to the desired position said nuts are again screwed up tight to prevent any accidental shifting of the handles and their accessories. It will thus be seen that by simply pivoting the hook-rods to the plate the attachment can be arranged for application to any grate in a few minutes and without calling in the aid of a tinner or other artisan. As seen in Fig. 3, the margins of the plate are turned up, thereby converting it into a shallow pan, the upper surface of which may be enameled, as represented at G.

I claim as my invention—

A grate attachment consisting of the plate A, pivoted at c c' to supporting-bars C C', and having slots a a', concentric with said pivots, said bars being provided with integral hooks B B', integral handles D D', projecting in front of said plate, and fastenings E e E' e', all as herein described.

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

OLIVER C. HOLDEN.

Witnesses:

JAMES H. LAYMAN,
SAMUEL M. QUINN.