

M. LITTLE.  
SAD-IRON HEATERS.

No. 185,556.

Patented Dec. 19, 1876.

Fig. 1.

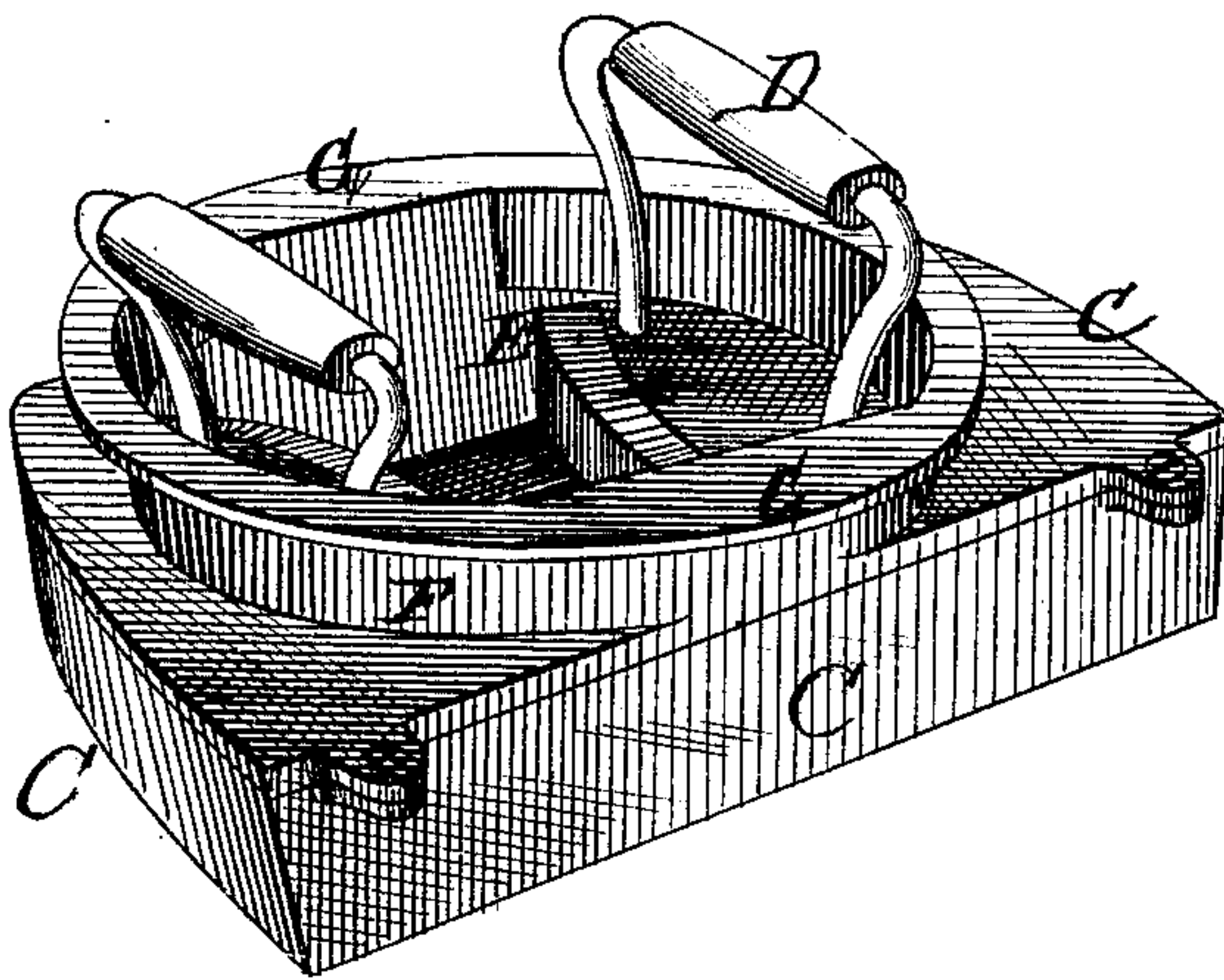


Fig. 2.

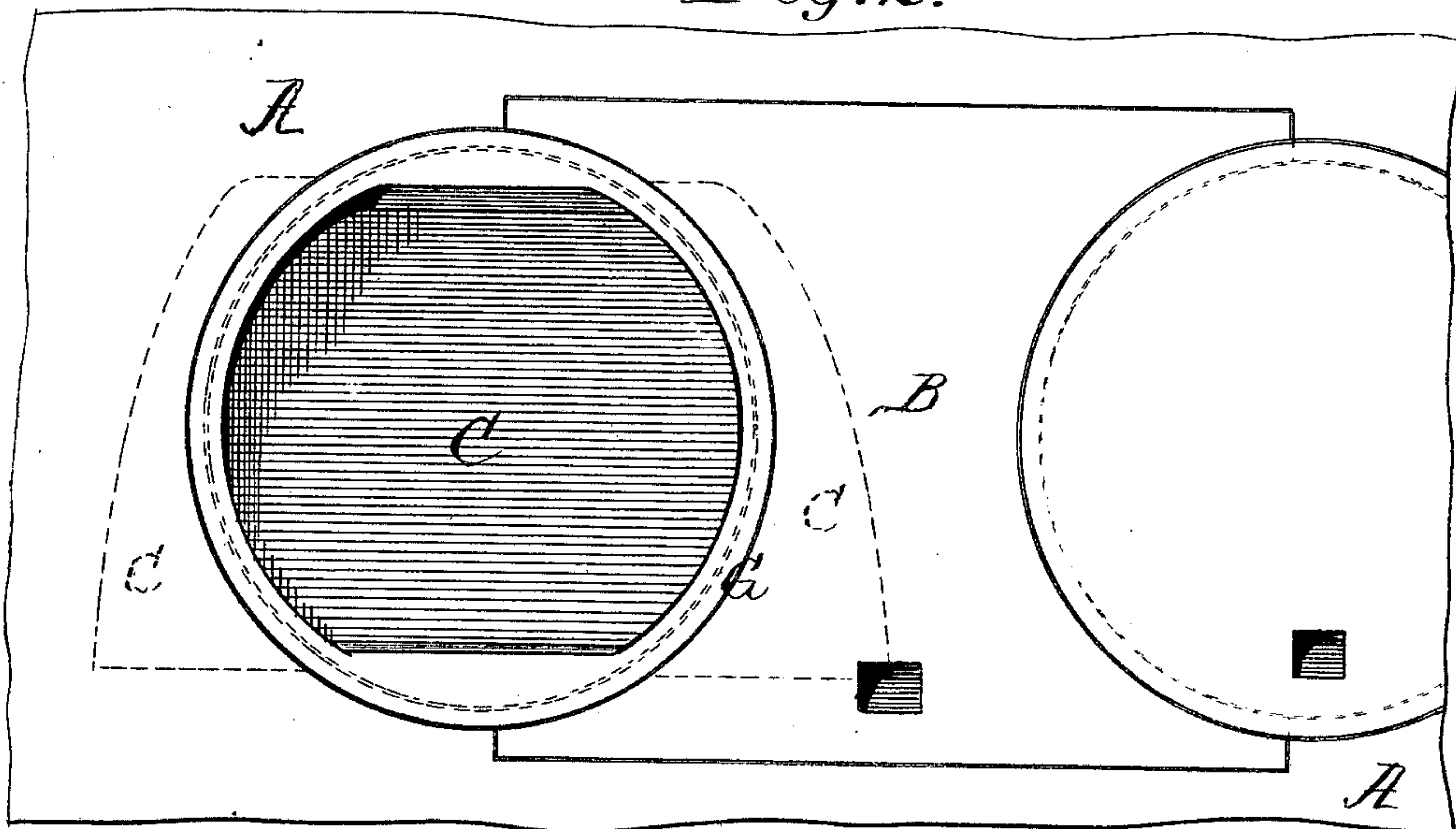
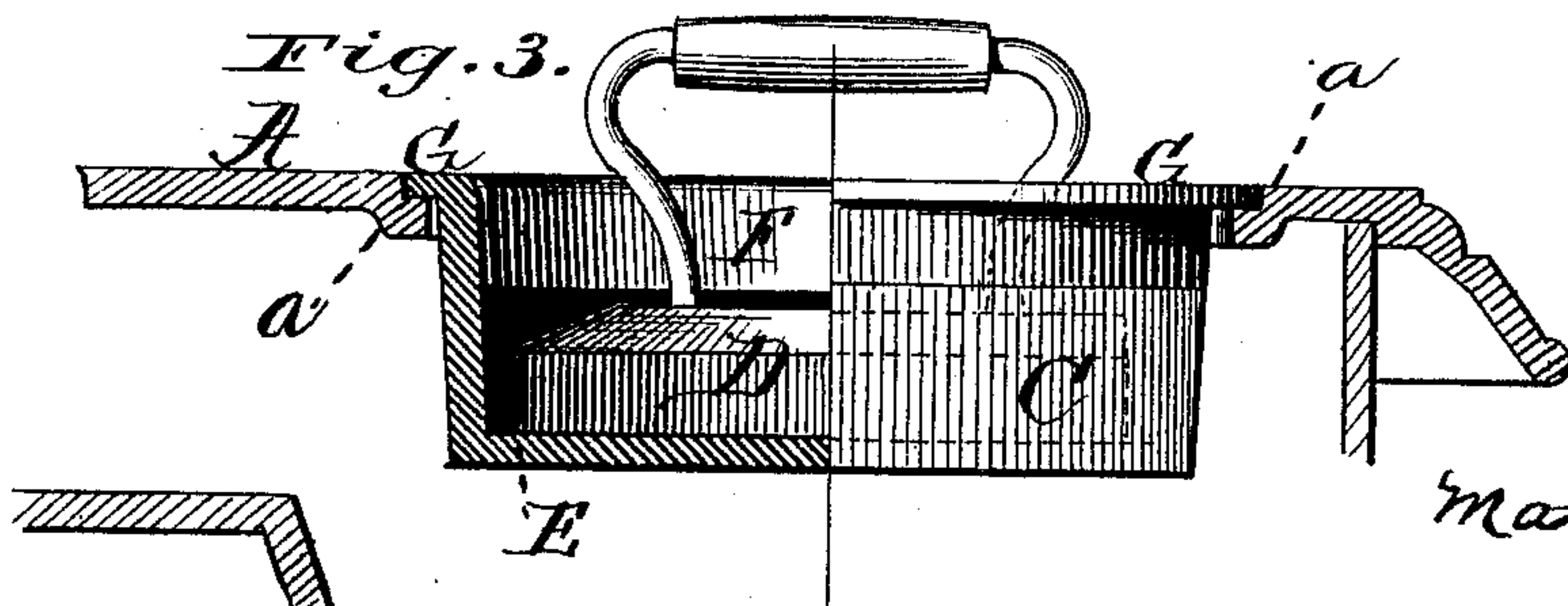


Fig. 3.



Attest:  
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# UNITED STATES PATENT OFFICE

MATTHEW LITTLE, OF EAST SAGINAW, MICHIGAN, ASSIGNOR TO AMANDA M. STARKER, OF SAME PLACE.

## IMPROVEMENT IN SAD-IRON HEATERS.

Specification forming part of Letters Patent No. 185,556, dated December 19, 1876; application filed June 10, 1876.

*To all whom it may concern:*

Be it known that I, MATTHEW LITTLE, of East Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Sad-Iron Heaters, of which the following is a specification:

The object of my invention is to obtain a sad-iron heating-box for use in the pot-holes of stoves, in which two or more irons may be placed at the same time and readily removed, the said box being so constructed to receive the two irons without reference to the size of the pot-hole.

To this end I have invented a suspended rhomboidal-shaped heating-box, having an oval-shaped opening, the long diameter of which opening is considerably less than the length of the longest side of said box, and slightly less than the diameter of the stove-pot hole, said opening having a suspending-collar rising therefrom, flanged with a circular flange to rest upon the top and center plates of the stove, the oval opening, in combination with the rhomboidal box, forming lateral pockets at the short sides of the box, assimilating to the sides of the sad-irons, which are slid into them one at a time, and thus, while a sunken box of equal diameter with the small stove-pot holes could not possibly be made to receive two irons, I secure this result by forming the bottom of the box of said rhomboidal shape, to obtain the extending lateral pockets, this under or pocket portion being slid under the stove-plate toward the stove side while the center plate is lifted to permit the sinking of the remaining portion, and afterward replaced to form one of the box-supports.

In the accompanying drawing, Figure 1 represents a view in perspective of my improved sad-iron heater; Fig. 2, a plan view of a stove-top, showing the application of my heater, the dotted lines indicating the short sides of the rhomboidal heating-box; and Fig. 3 represents a view—partially a side elevation and partially a section taken through the short diameter, of the opening especially illustrating the manner of suspending the box from the top-plate of a stove.

The general construction and application of my invention have been hereinbefore sufficiently indicated.

Referring now to the drawings, A is the top

plate of an ordinary oblong cooking-stove, and B the center plate. The rhomboidal box C is cast separate from the top portion, and joined thereto by screws passing through lugs of each portion. The top or cover portion of the device, including the flanged suspending collar, is cast in one piece. The box C is made rhomboidal to assimilate itself to the lancet shape of the sad-irons D, as clearly illustrated in the perspective, Fig. 1. The opening is made oval, because that shape is most appropriate and convenient for the purpose, and coincides more nearly with the long heating-box C; but such shape is not essential, since undoubtedly a circular opening would answer. The opening is not so long as the box itself, for the purpose of forming the lateral pockets E for the irons. The opening is bounded by an oval collar, F, which has a circular flange or rim, G, of larger diameter, which is thus made circular to fit upon the shouldered seat *a* of the pot-hole. It may be stated that the suspended box also gives the advantage of heating the whole iron.

To insert and remove the heating-box, it is only necessary to remove and replace the center plate.

The pockets E are for the purpose of permitting the irons, one at a time, to be slid under them, and thus give the box the capacity of receiving two irons, which could not be the case were its bottom of the same diameter as the opening, unless both box and opening were larger than the pot-hole of the stove, which would be utterly impracticable.

The suspended box has its lateral pockets beneath the stove-plate and in the fire-chamber. Thus space is utilized and a greater heating capacity obtained also.

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

A sad-iron heater, consisting of the rhomboidal box C, having the lateral pockets E, in combination with the suspending flanged collar F G, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

M. LITTLE.

Witnesses:

A. H. NORRIS,  
JOS. L. COOMBS.