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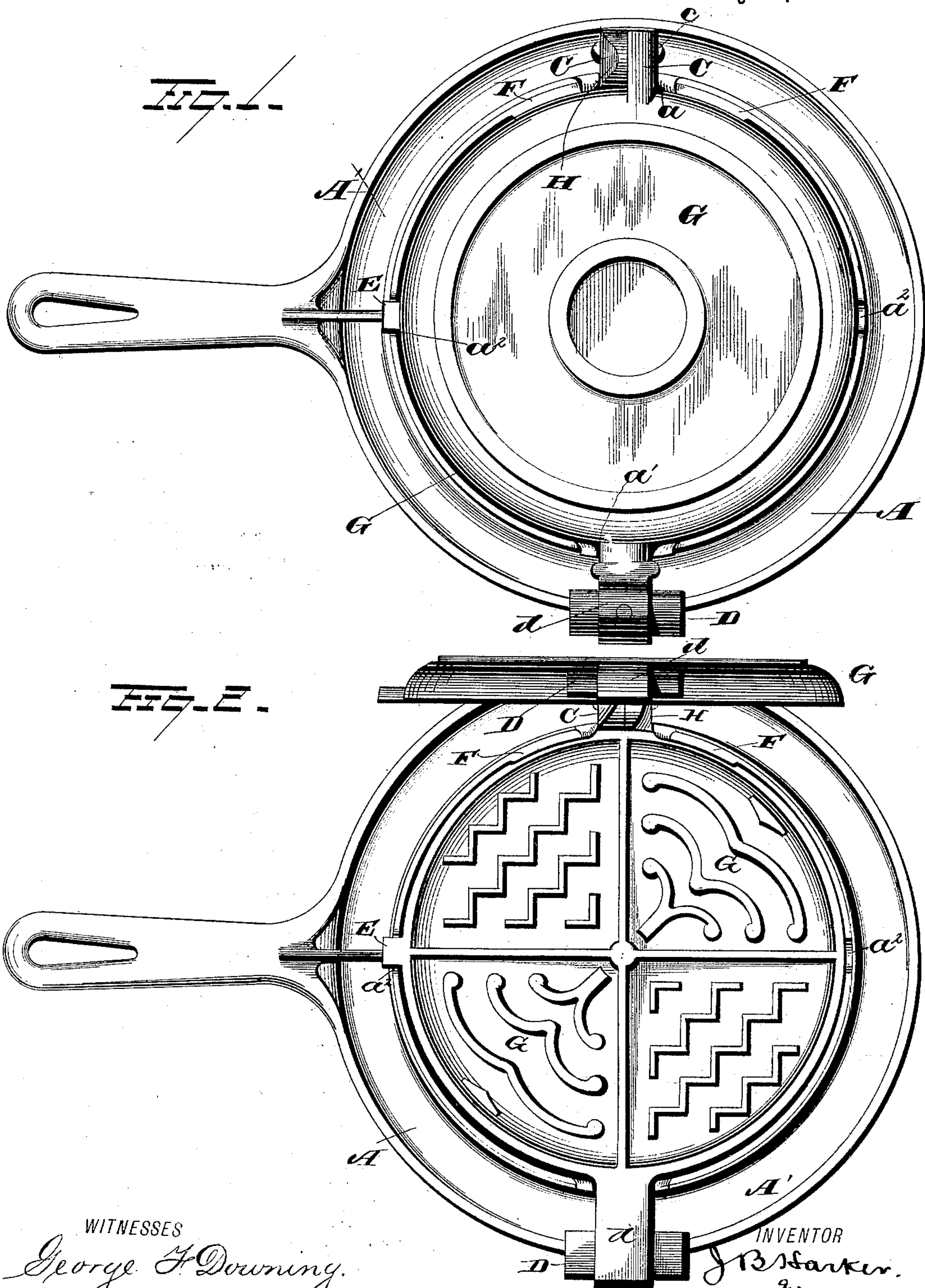
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J. B. HARKER C. L. WILKINS.

WAFFLE IRON.

No. 277,422.

Patented May 8, 1883.



WITNESSES

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(Model.)

3 Sheets—Sheet 2.

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Fig. 3.

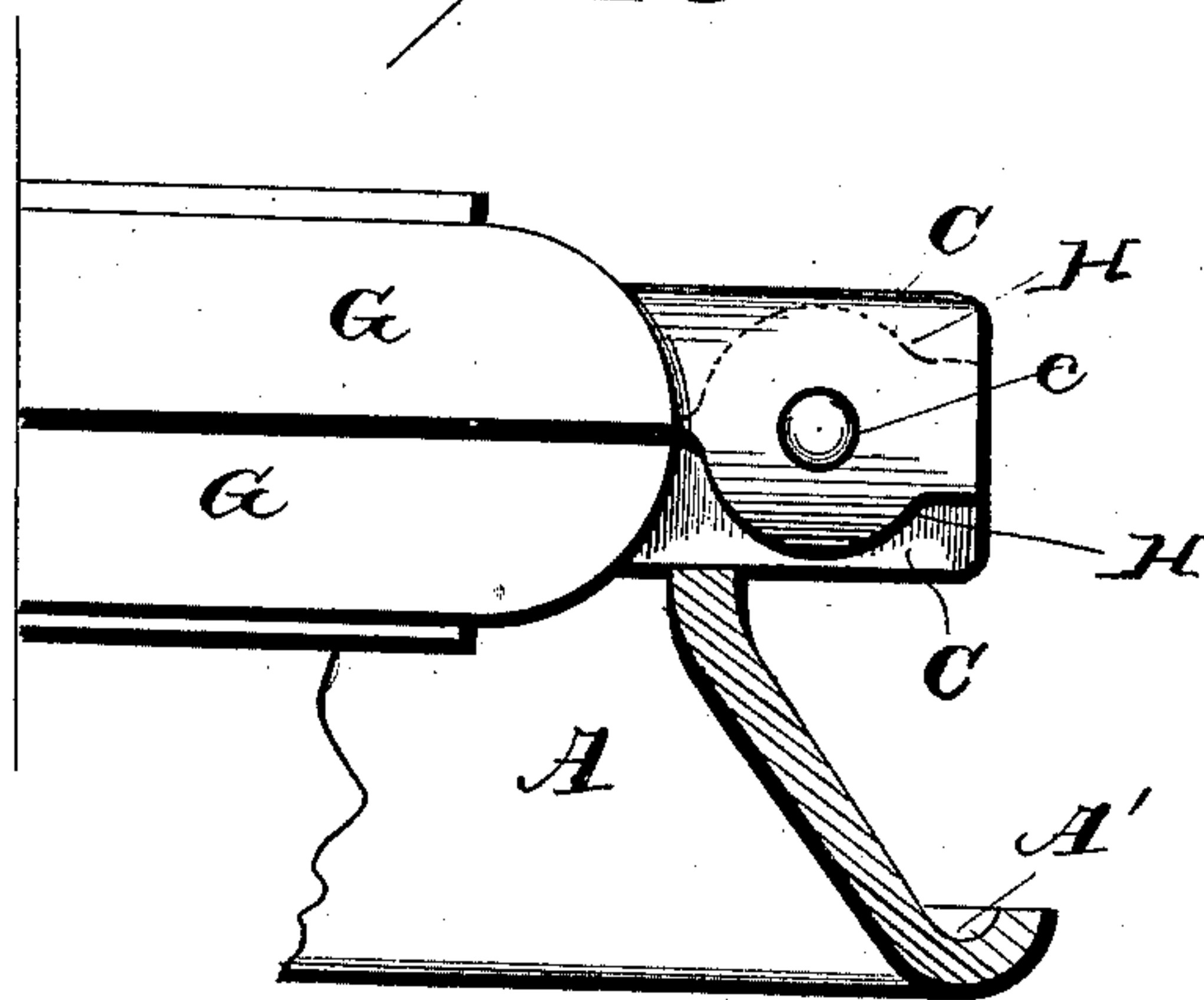
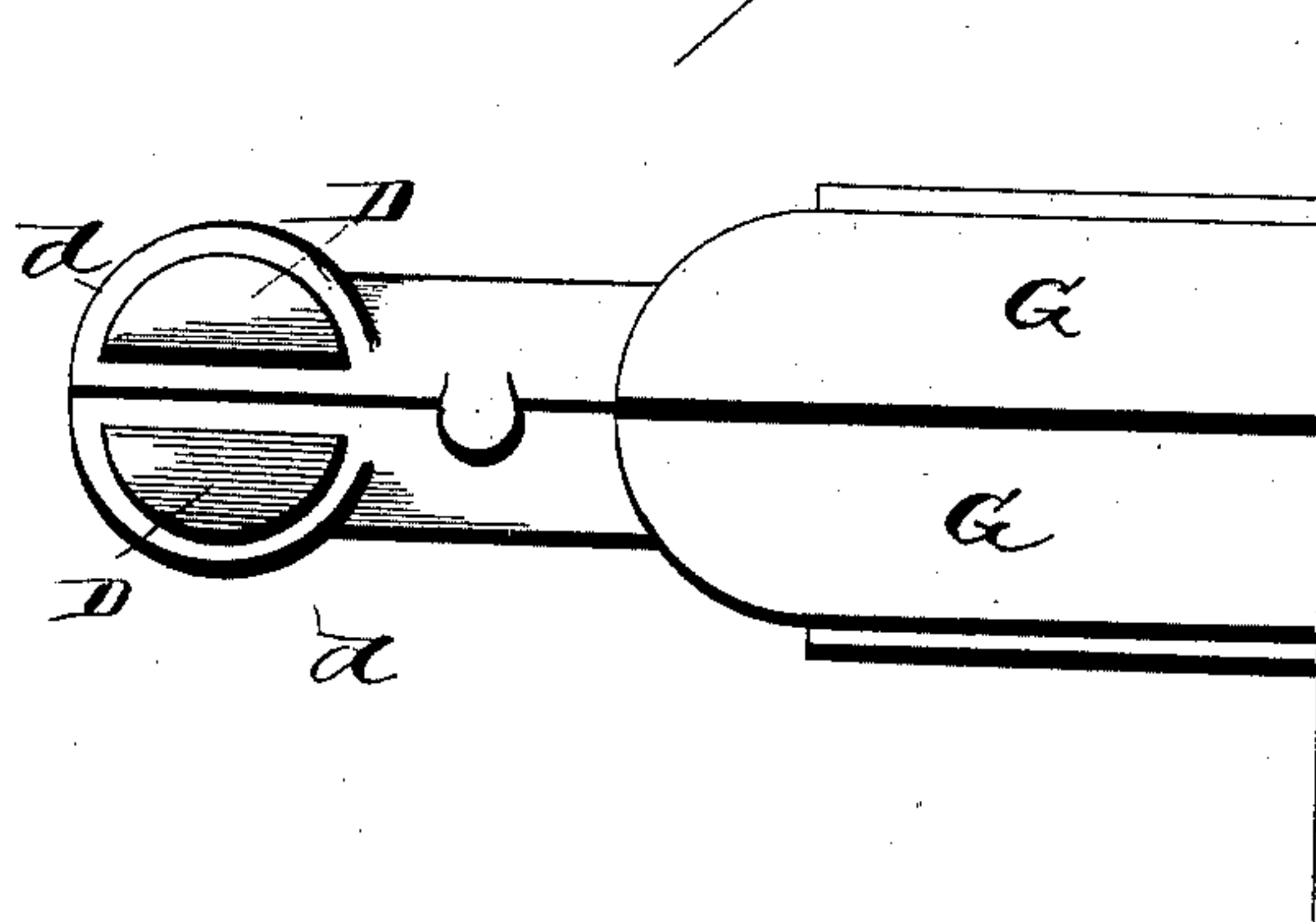


Fig. 4.



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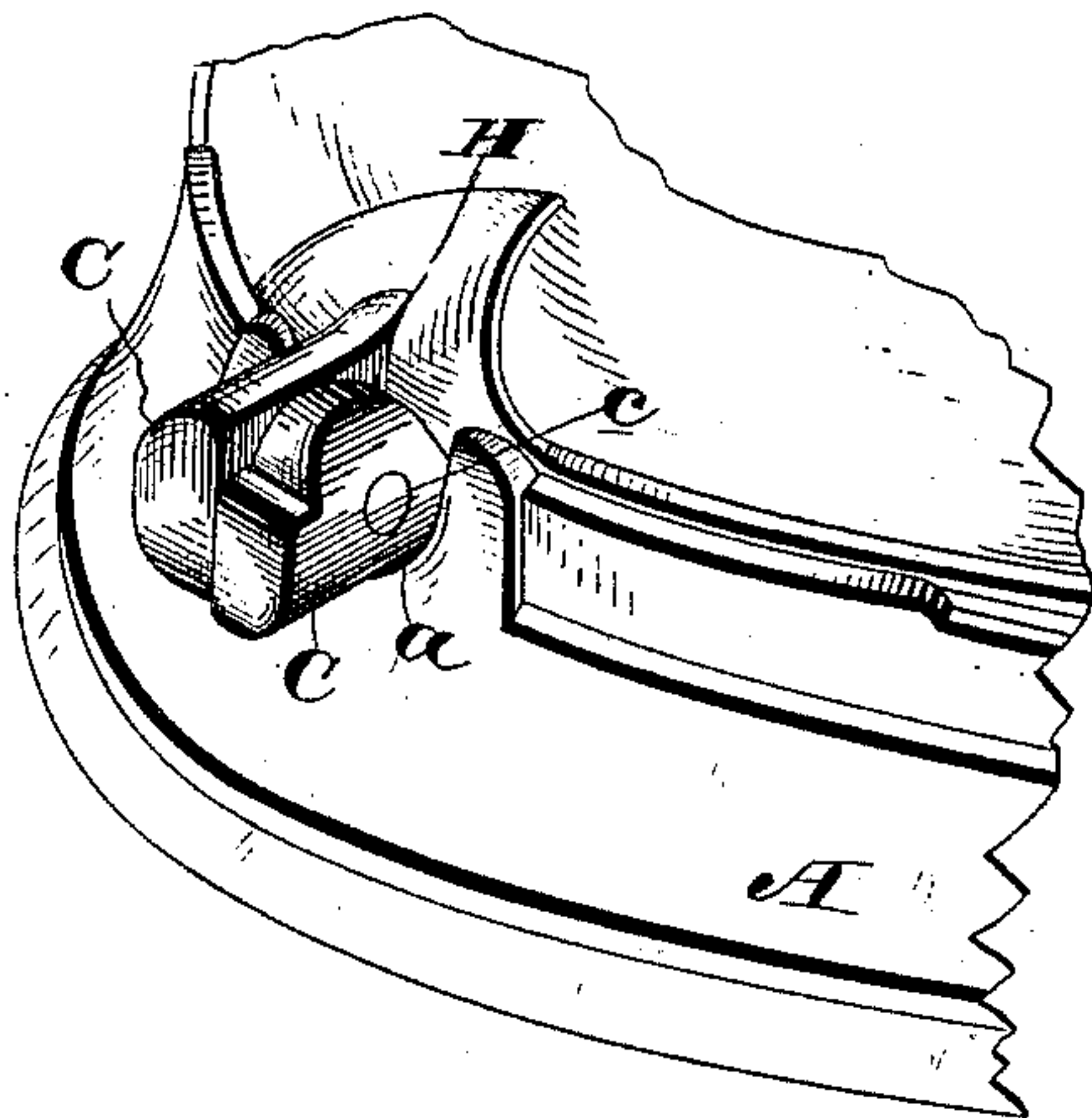
J. B. HARKER C. L. WILKINS.

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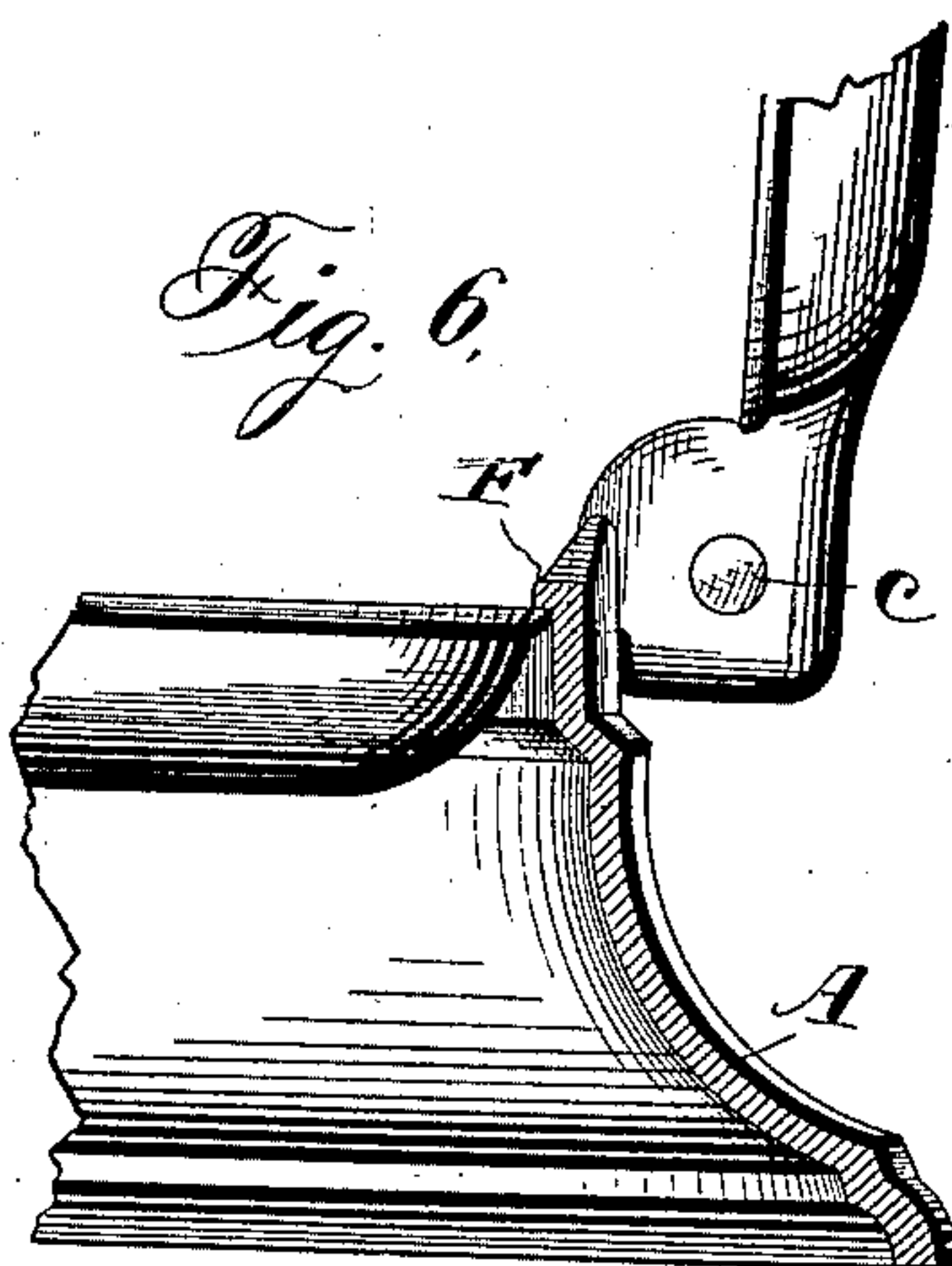
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*Fig. 5.*



*Fig. 6.*



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# UNITED STATES PATENT OFFICE.

JOHN B. HARKER AND CHARLES L. WILKINS, OF COLUMBUS, OHIO.

## WAFFLE-IRON.

SPECIFICATION forming part of Letters Patent No. 277,422, dated May 8, 1883.

Application filed February 20, 1883. (Model.)

*To all whom it may concern:*

Be it known that we, JOHN B. HARKER and CHARLES L. WILKINS, of Columbus, in the county of Franklin and State of Ohio, have  
5 invented certain new and useful Improvements in Waffle-Irons; and we do hereby 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 pertains to make and use the same.

Our invention relates to waffle-irons, the object being to provide a waffle-iron with stop devices, whereby the turning of the irons during the removal of a waffle therefrom will be  
15 prevented.

A further object of the invention is to provide a waffle-iron with a handle of improved construction to facilitate the turning of the iron.

The invention consists in the improved construction and combination of devices herein-after fully described, and pointed out in the claims.

In the drawings, Figure 1 is a plan view of an iron constructed in accordance with our invention, and closed for baking. Fig. 2 is a  
25 similar view with the upper one of the two hinged sections raised. Fig. 3 represents the hinge-lugs of the iron detached. Fig. 4 is a detached view of the improved handle. Figs. 5 and 6 are detached views, illustrating more clearly the hinge-lugs and stop-lips.

A represents the supporting frame or base of the iron, provided with the usual bearings,  $a$   $a'$ , to receive the hinge-lugs C and handles  
35 D of the iron, and with a slot,  $a^2$ , to receive the stop-lugs E of the iron. The base A is also provided on either side of the hinge-bearing  $a$  with inwardly-projecting lips or flanges F F, which serve as stops for the lower section of the iron, as will be further explained.

G G represent the two sections of the iron, each provided with a hinge-lug, C, and a handle, D. The two lugs C are pivotally secured together by a pin,  $c$ , so as to form a hinge-  
45 joint, and said lugs are beveled, recessed, or cut away on opposite sides to form cam-surfaces H. The iron sections are pivotally supported by the lugs C and handles D in the bearings  $a$   $a'$  of the base, so as to be freely  
50 revolved in the usual way to bake both sides of the waffle, and the stop-lugs E hold them in place while baking. After the baking has

been completed, and it is desired to remove the waffle, the top section of the iron is raised by its handle D, and such raising causes the  
55 cam-surface H of the hinge-lug of said section to come in contact with the adjacent upper portion of the base A, thus drawing the edge of the lower section under the lips or flanges F F and securely holding said lower section  
60 against movement during the removal of the waffle. After refilling the lower section the upper section is closed down upon it, thus forcing the lower section from under the lips or flanges F F and permitting the iron to be  
65 freely revolved during the baking process.

It will be apparent, in view of the fact that the lugs C C are provided on opposite sides with the cam-surfaces H, that it is immaterial which section of the iron is uppermost when  
70 the waffle is to be removed, and that the device will operate the same on each side of the iron sections.

Each handle D consists of a hollow block or ferrule,  $d$ , preferably semicircular in cross-section, and adapted to receive a semicircular  
75 wooden finger-piece,  $D'$ , and said handles are arranged opposite each other, so that their flat sides will rest in contact, to allow the upper section of the iron to be quickly raised with-  
80 out changing the thumb and finger from the position assumed by them in turning the iron.

By the improvement thus described it will be apparent that the waffle may be removed without the inconvenience experienced in the  
85 employment of irons which are free to revolve while the waffle is being removed. Moreover, it will be observed that the stop devices operate automatically, and that our improved iron may be manufactured without any expense  
90 above that of irons of the ordinary construction.

It is not essential that two lips or flanges F F should be employed, as a single flange would answer if placed on the side of the hinge-bearing next to the stop-lugs E.

The supporting-frame or base A is provided at its lower edge with an annular groove or gutter,  $A'$ , to serve as a receptacle for grease or drip from the irons, thus preventing the  
100 spreading of the grease or drip upon the stove.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a waffle-iron, the combination, with a base or frame provided with an inwardly-projecting lip or lips, of iron sections having hinge-legs provided with cam-surfaces on opposite sides, whereby the raising of the upper section of the iron will engage the lower section with said lip or lips and prevent the revolution of the iron while a waffle is being removed, substantially as set forth.
2. In a waffle-iron, the combination, with a base or frame provided with opposite bearings for the hinge-lugs and handles of the iron, and with an inwardly-projecting lip on each side of the hinge-bearing, of the hinged sections, each provided with a hinge-lug having one of its sides beveled, recessed, or notched to form

a cam-surface, and with the usual stop-lugs, substantially as set forth.

3. The combination, with the iron sections, of semicircular handles provided with wooden finger-pieces, the flat sides of said handles being adapted to rest in contact to form a circular handle, substantially as set forth.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

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Witnesses:

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