

(Model.)

W. C. HATCHER.  
ADJUSTABLE ATTACHMENT FOR HAIR CLIPPERS.  
No. 442,807. Patented Dec. 16. 1890.

Fig. 1.

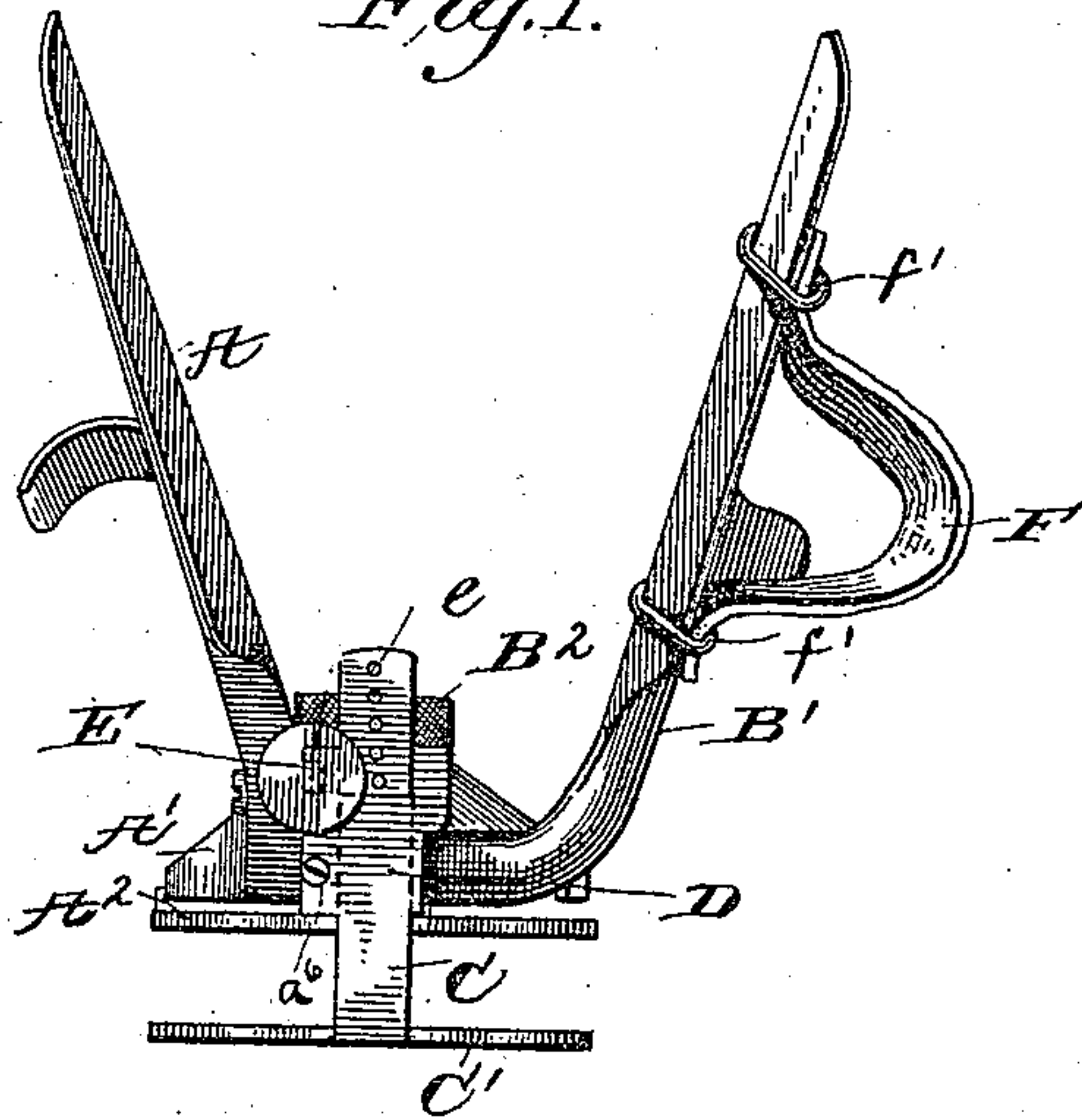


Fig. 2.

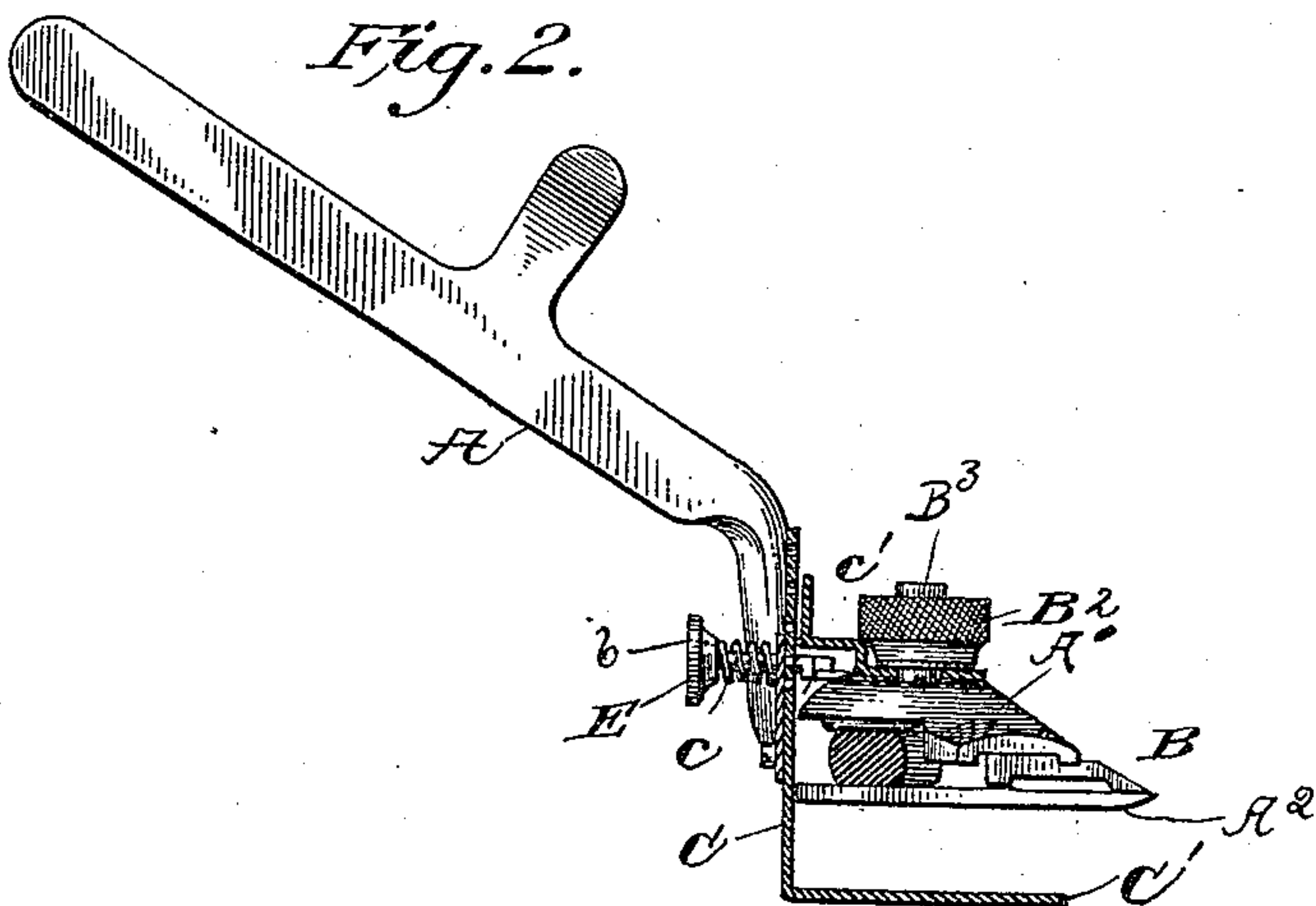


Fig. 3.

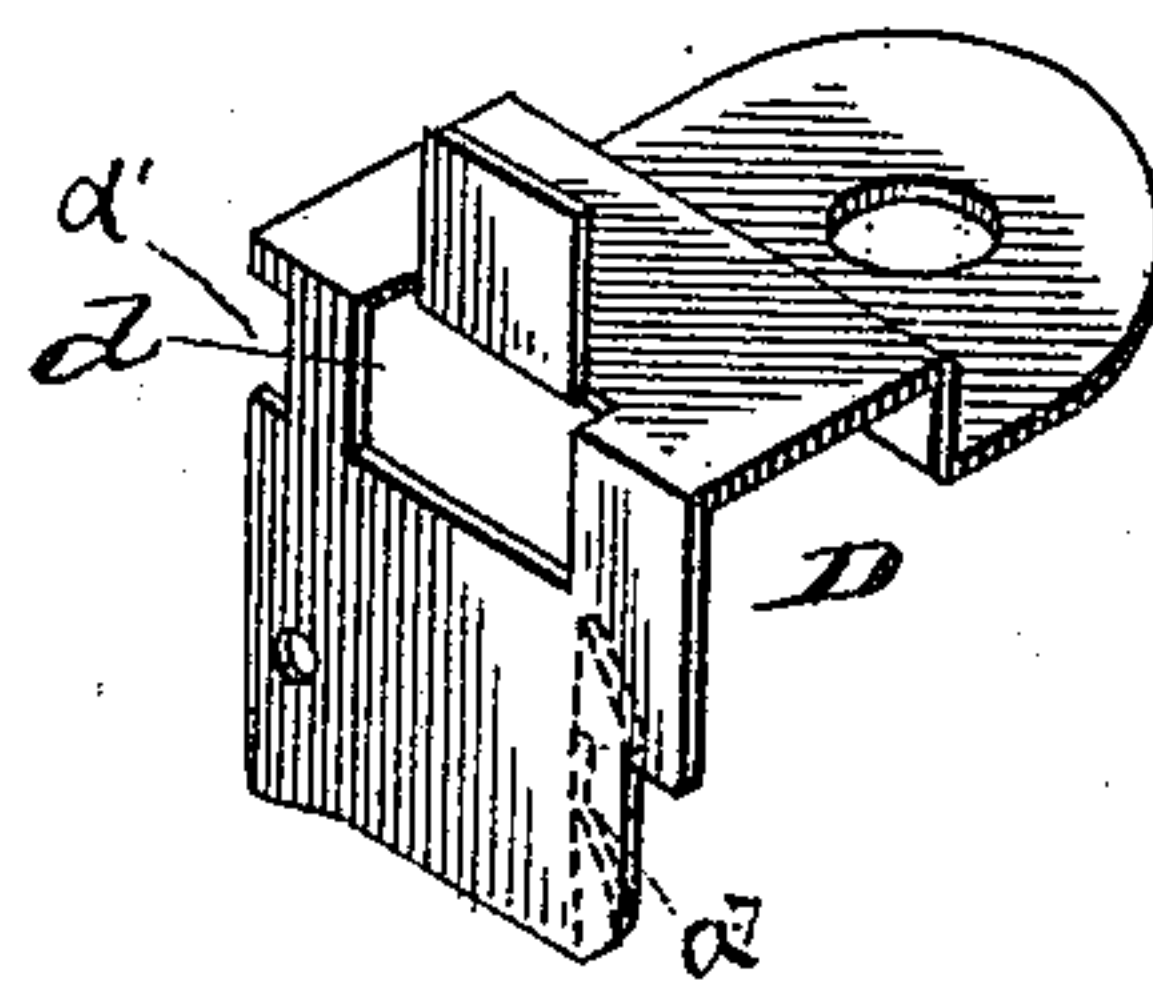


Fig. 6.

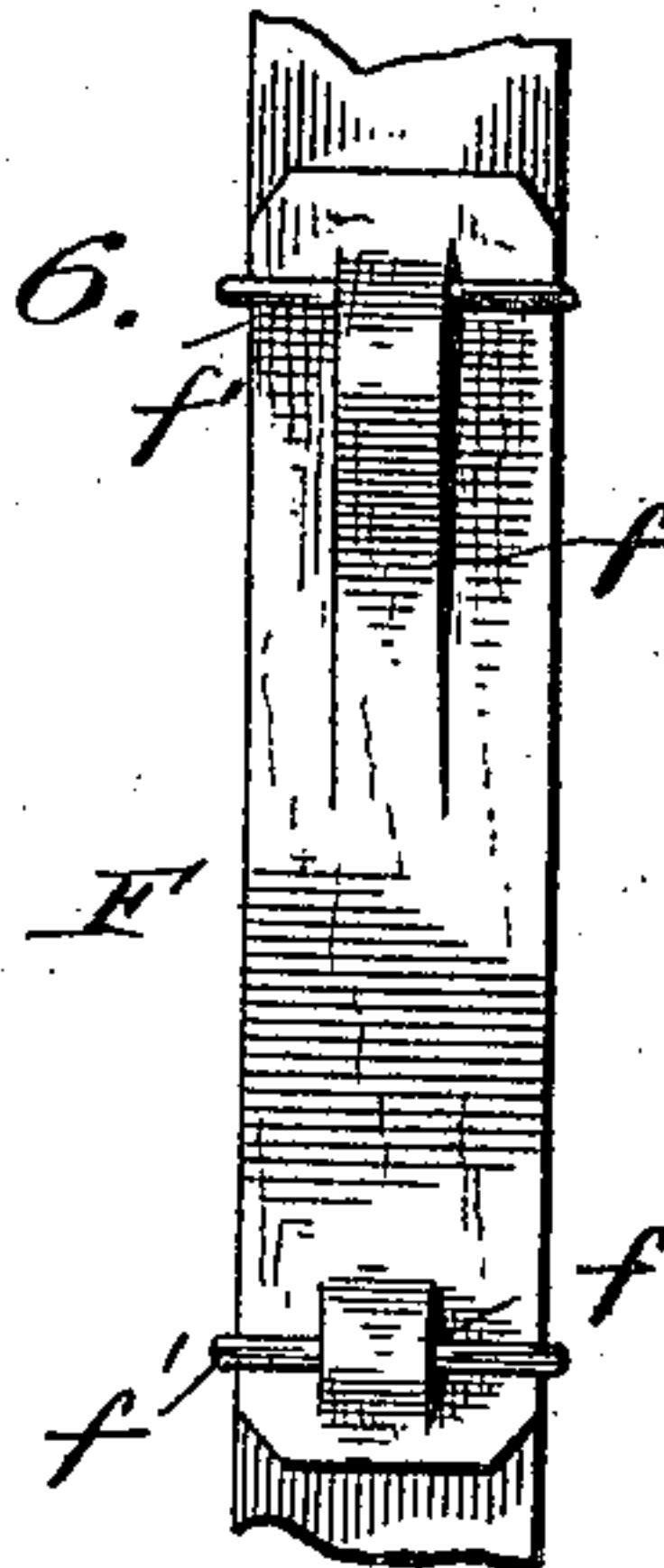


Fig. 4.

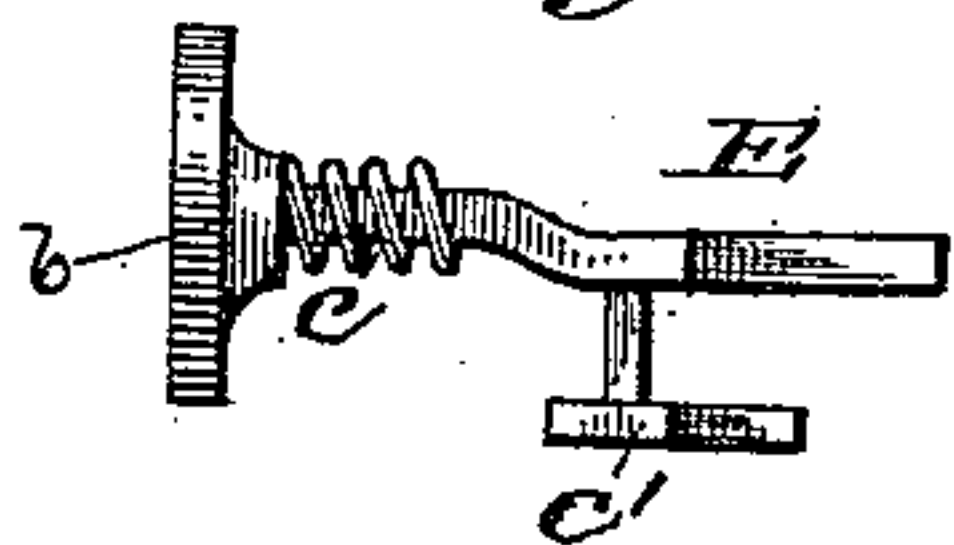
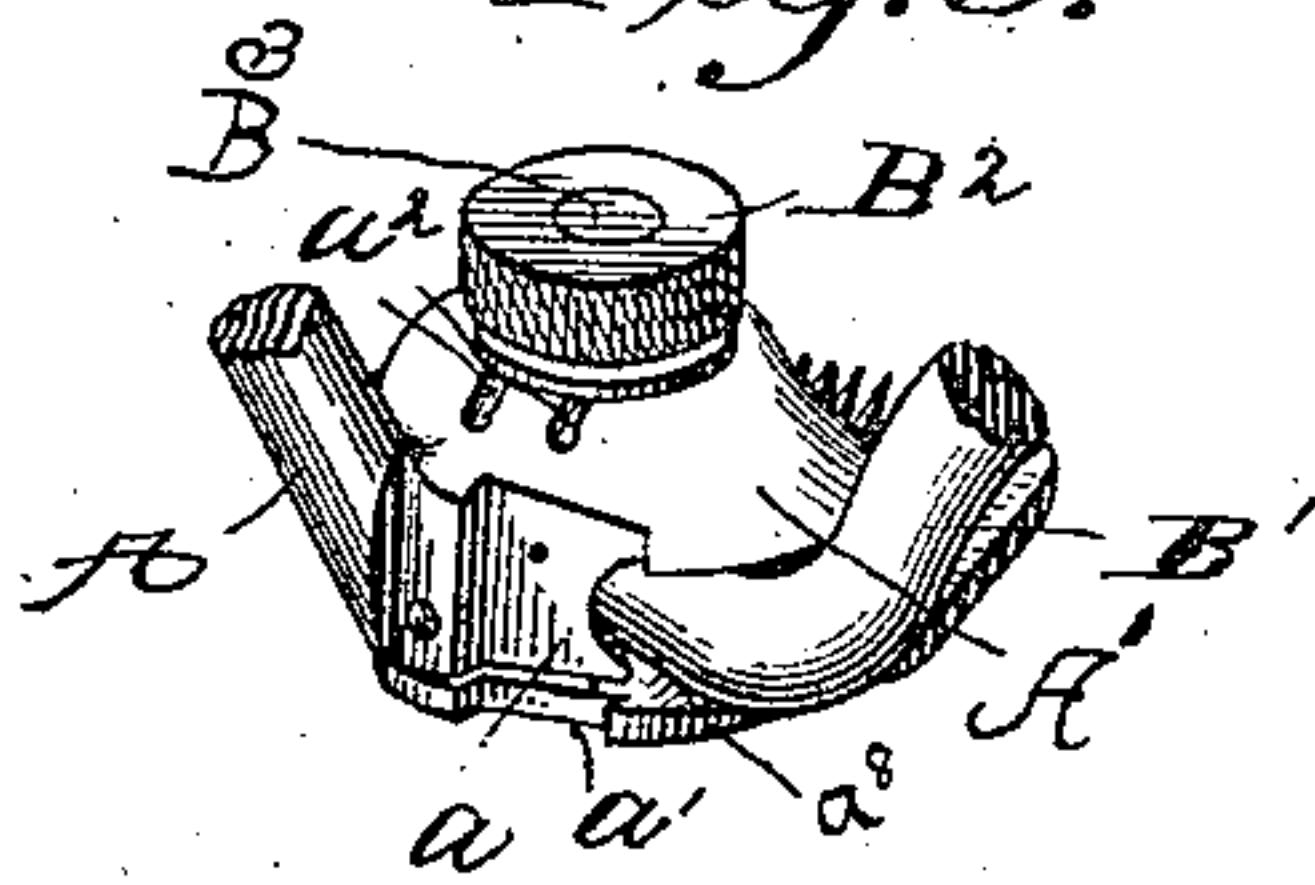


Fig. 5.



Witnesses

G. A. Taubenschmidt,  
L. J. Higdon

Inventor

W. C. Hatcher

By his Attorneys

Higdon & Higdon



# UNITED STATES PATENT OFFICE.

WILLIAM C. HATCHER, OF NORBORNE, MISSOURI.

## ADJUSTABLE ATTACHMENT FOR HAIR-CLIPPERS.

SPECIFICATION forming part of Letters Patent No. 442,807, dated December 16, 1890.

Application filed July 2, 1890. Serial No. 357,524. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. HATCHER, of Norborne, Carroll county, Missouri, have invented certain new and useful Improve-  
5 ments in Adjustable Attachments for Hair-Clippers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.  
10 My invention relates to certain improvements in hair-clippers, whereby the distance of the cutting-jaws from the head may be regulated and whereby the length of the hair left upon the head may be controlled; and for  
15 these purposes it consists in certain improvements on the devices shown and claimed in my patent, No. 429,722, issued June 10, 1890, as will be hereinafter more fully described and claimed.  
20 Referring to the accompanying drawings, in which corresponding parts are designated by similar letters, Figure 1 is a rear elevation of a clipper having my invention applied thereto. Fig. 2 is an elevation of a clipper,  
25 my invention being applied thereto and being shown in section, one handle of the clipper being broken away for purposes of better illustration. Fig. 3 is a perspective view of the cover. Fig. 4 is a detail of the spring  
30 locking-stud. Fig. 5 is a rear detail view of base-plate and parts contiguous thereto. Fig. 6 is a detail of the strap.  
The clipper may be of any well-known form, having a handle A, provided at its forward  
35 end with the pressure-plate A', which has secured on its lower face the lower fixed cutting-comb A<sup>2</sup>. A movable cutting-comb B is held between the pressure-plate A' and the lower cutting-comb A<sup>2</sup>, having motion imparted  
40 thereto by the lever B', while the parts are held in operative relation to each other by a bolt B<sup>4</sup>, seated in the lower cutting-comb and passed upward through the pressure-plate and provided with screw-threads to engage a  
45 thumb-nut B on its upper end, which serves to regulate the distance of the two combs from each other.  
To apply my invention to the above-described construction of clippers I cut a verti-  
50 cal slot in the rear of the pressure-plate A', as at a, and a corresponding slot in alignment

therewith in the rear portion of the lower cutting-comb, as at a', in which slots slide the upright C of the foot-piece or shield C', the said foot-piece being adapted to lie snugly  
55 against the lower surface of the stationary cutting-comb when the upright is raised within the said slots and to be at a greater or less distance therefrom upon a depression of the said upright, and it will thus be understood  
60 that by locking the upright in any desired position the corresponding length of hair may be cut, and the means used for thus locking the upright in position will be now described.

A cover D of sheet metal has its top bent  
65 at right angles to its back and secured on the bolt B<sup>3</sup> under the thumb-nut B<sup>2</sup>, while its back is brought down and secured to the rear of the pressure-plate A' by means of a screw a<sup>6</sup>  
70 and by having the lower portion a<sup>7</sup> of its right-hand side bent around the corner a<sup>8</sup>, covering the slots a and a' therein, and in the lower  
comb, and also covering the rear of a portion of the upright C, which passes up through a  
75 suitable opening d, formed in the rear and top of the said cover.

As shown, the locking device consists of two arms connected by a pin or stud so that they lie in the same horizontal plane parallel  
80 to each other and are otherwise adapted to be movably seated in the grooves a<sup>2</sup> of the pressure-plate A' beneath the cover D, the short arm thereof projecting rearwardly into the slot d of said cover to permit of its en-  
85 gagement with holes e of the upright C, located therein, while the long arm lies outside of said slot d in a notch or groove d', cut in the edge of the vertical face of the cover, and projects rearwardly beyond said face. It will  
90 be observed that by this construction and arrangement of parts the rearwardly-projecting arms of the locking device are located on either side of that portion of the vertical face of the cover D lying between the slot d and  
95 notch d', and that the uniting-pin abutting thereagainst will prevent the undue rearward movement of said arms. On the outer end of the long arm of the device is seated a  
thumb-nut b, and a coiled spring c is mounted  
100 on said arm, so that one of its ends bears against the inner face of said nut, while the other bears against the vertical face of the



cover D. The action of the spring is such that the short arm of the locking device is normally held in engagement with the upright of the shield, and hence a slight pressure on the end of the long arm will disengage the short arm from said upright and permit of the ready adjustment of the shield.

In order to permit the ready separation of the handle A and lever B' in order to move the cutting-jaws should they become clogged and locked together, as I have found they do in practice, in cutting coarse hair, I attach a strap to the lever, and I prefer to use the following method of attachment. Two longitudinal slits *f* are cut side by side in each end of the strap F, and through the slits on each end I pass loops *f'* of wire, which are clamped around the lever and are capable of sliding thereon, thus permitting the strap to accommodate itself to the size of the hand operating the clipper.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with a clipper having a pressure-plate and a lower fixed cutting-comb, the pressure-plate and comb having vertical slots in the rear thereof, of a cover bent at right angles with itself and having a slot in its top and adapted to be secured to the upper surface of said pressure-plate and its back adapted to be secured to the rear thereof, a shield having an apertured upright

projecting therefrom and adapted to pass upward within the said slots and through the aperture in the top of the said cover, and a spring locking-stud projecting from the rear of the said cover and having its inner end resting in grooves on the upper side of the pressure-plate, as described.

2. The combination, with a clipper proper having a pressure-plate and a lower fixed cutting-comb, the said pressure-plate and comb having vertical slots in the rear thereof, an apertured upright having a shield upon its lower end contained within the said slots, a cover bent at right angles to itself, having its top secured to the upper surface of the pressure-plate, and having its back covering the rear of the said upright and secured to the rear of the said pressure-plate, of a locking device consisting of two horizontal arms connected by a cross-pin, one of said arms carrying a thumb-piece, the said locking device being contained between the top of the cover and the upper surface of the pressure-plate and working on a seat formed in the latter and projecting through a slot in the cover, and a spring to normally press said stud outward, as described.

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

W. C. HATCHER.

Witnesses:

J. W. HIGGINBOTTOM,  
C. B. DEAN.