

(No Model.)

E. J. FUCHS.
SAFETY RAZOR.

No. 561,707.

Patented June 9, 1896.

Fig: 1.

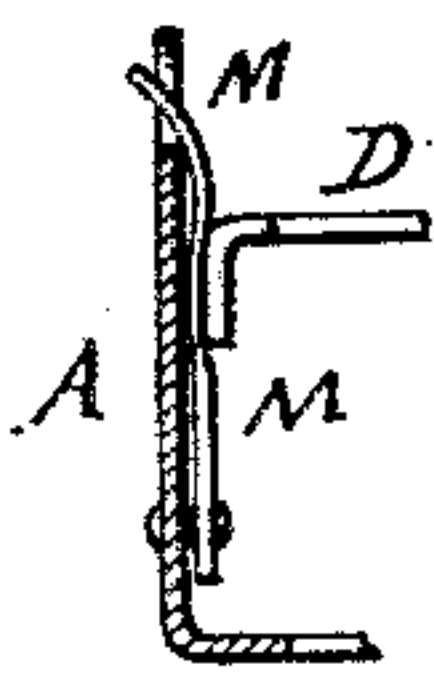
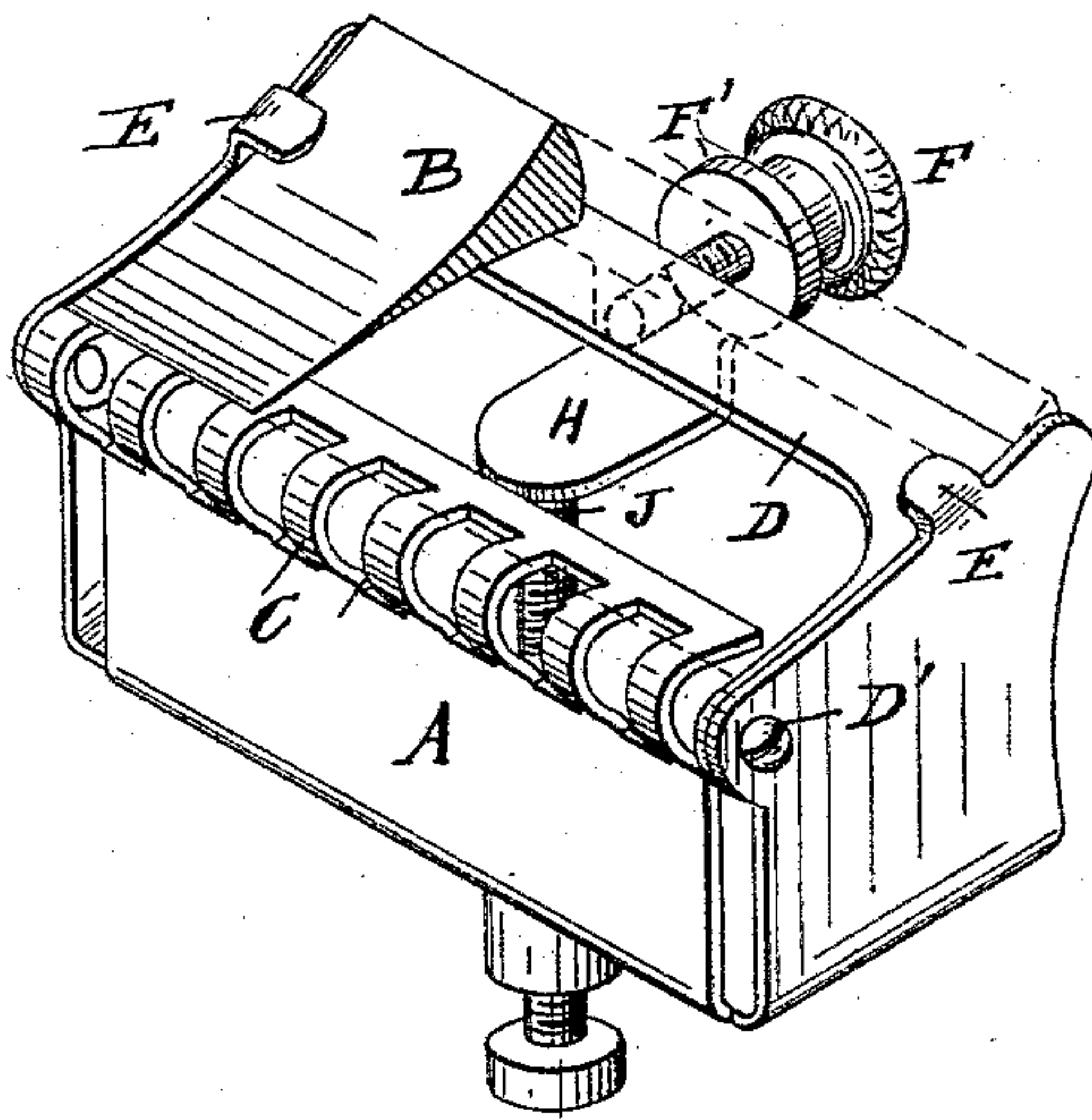


Fig: 6.

Fig: 2.

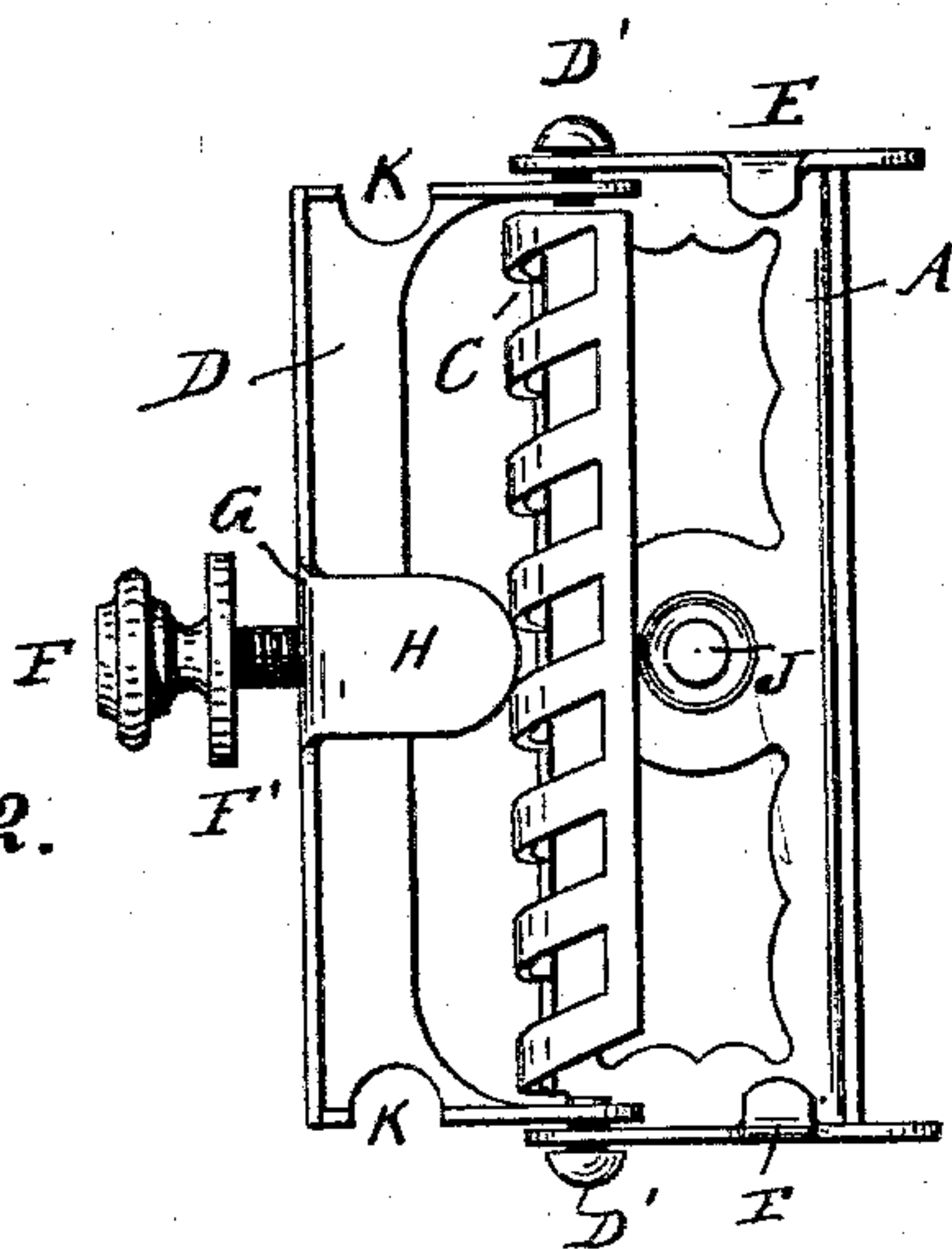


Fig: 3.

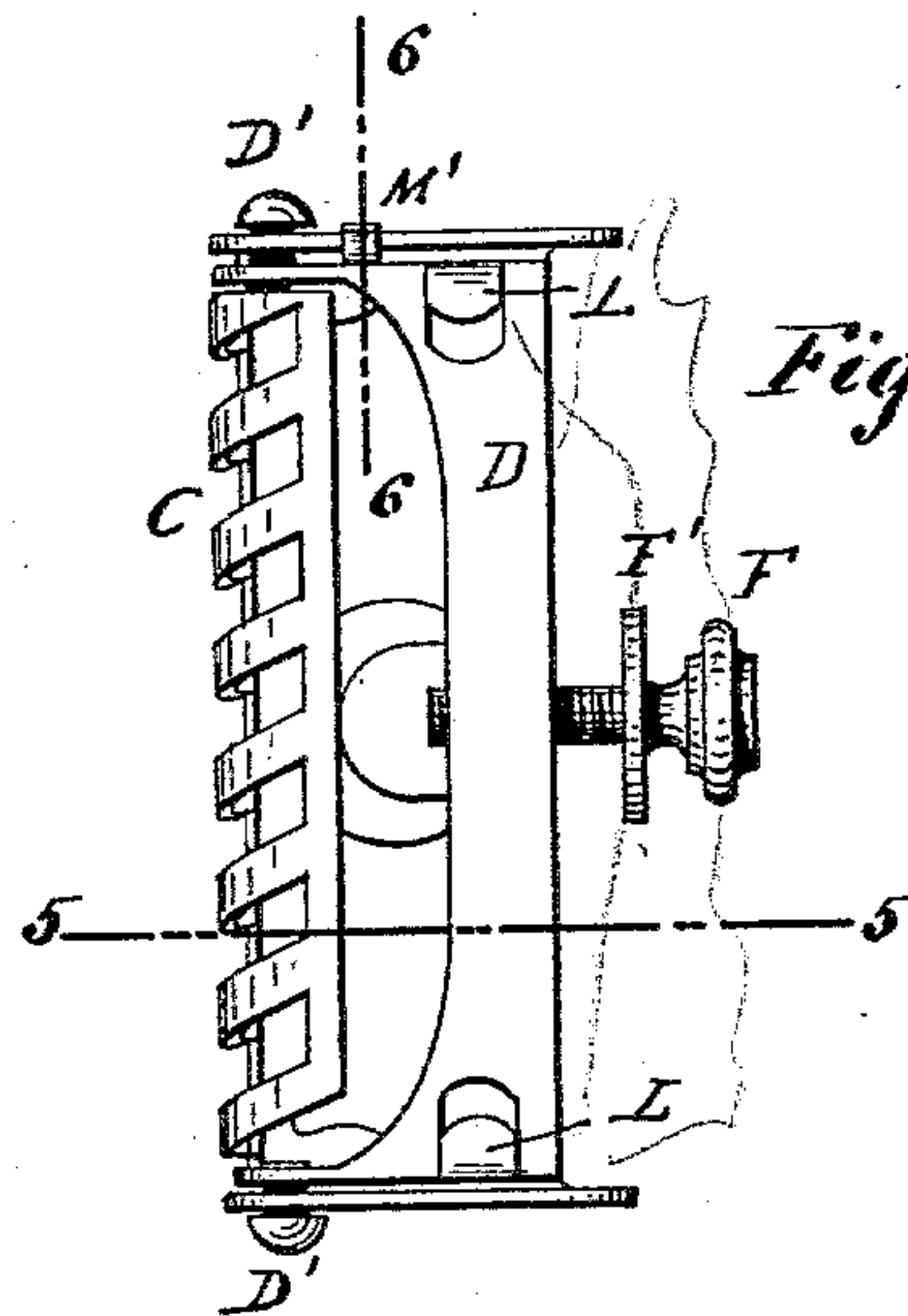
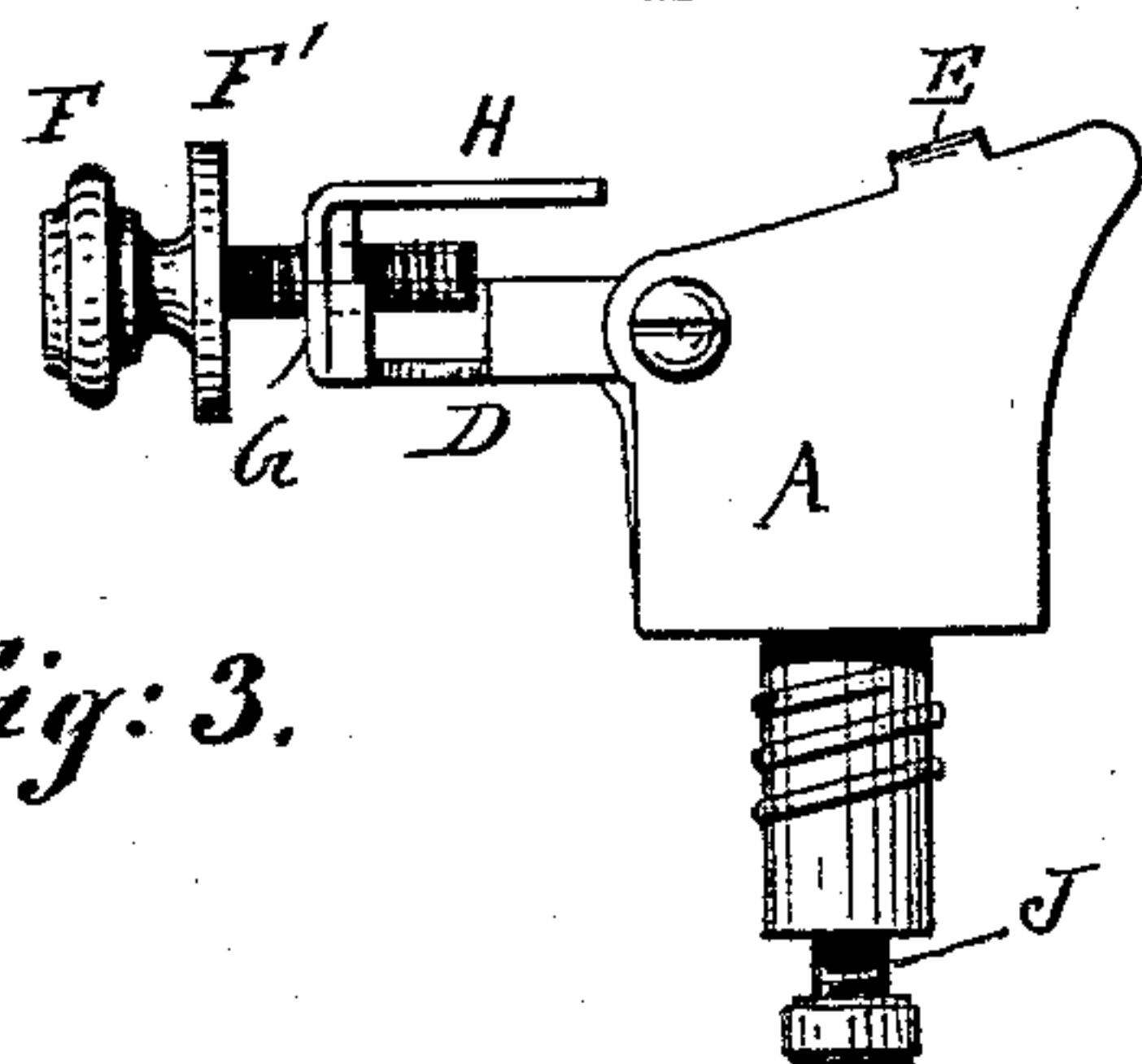


Fig: 4.

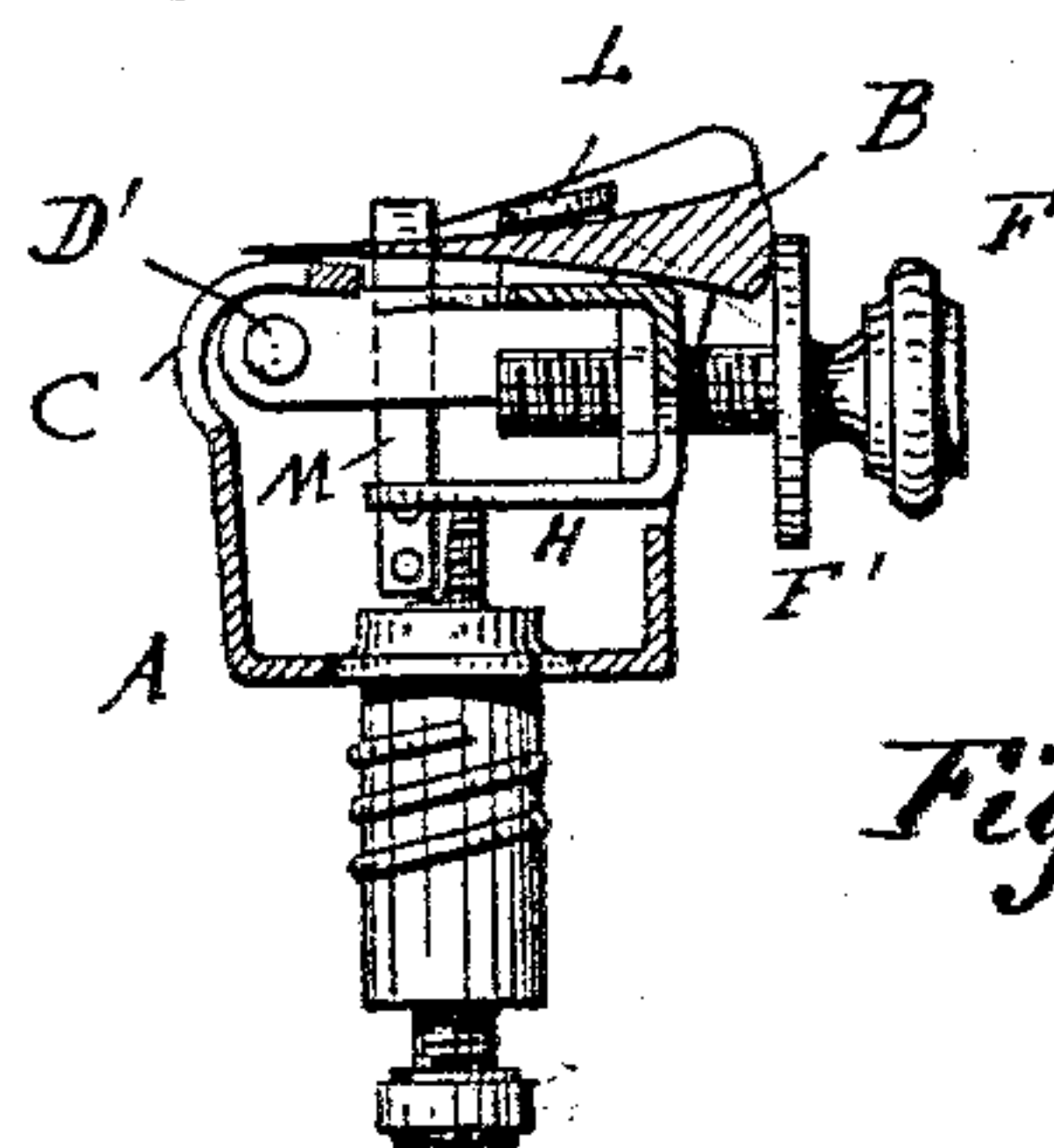


Fig: 5.

Witnesses
S. Petri-Palmer.
Gustav Otto

E. J. Fuchs Inventor
By his Attorney Oscar F. Tunn

UNITED STATES PATENT OFFICE.

EUGENE J. FUCHS, OF BROOKLYN, NEW YORK, ASSIGNOR TO KAMPFE BROTHERS, OF NEW YORK, N. Y.

SAFETY-RAZOR.

SPECIFICATION forming part of Letters Patent No. 561,707, dated June 9, 1896.

Application filed March 11, 1896. Serial No. 582,751. (No model.)

To all whom it may concern:

Be it known that I, EUGENE J. FUCHS, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to improvements in safety-razors; and the object of my invention is to provide a new and improved safety-razor which is simple in construction and which can easily be cleaned.

In the accompanying drawings, forming a part of this specification and in which like letters of reference indicate like parts in all the views, Figure 1 is a perspective view of my improved safety-razor, parts being broken away. Fig. 2 is a plan view of the same, the hinged top being swung back. Fig. 3 is an end view of the same, the hinged top being in the same position. Fig. 4 is a plan view of a modified construction. Fig. 5 is a vertical transverse sectional view of the same on the line 5 5 of Fig. 4. Fig. 6 is a vertical longitudinal sectional view of the same on the line 6 6 of Fig. 4.

The safety-razor is constructed with a casing A for receiving the blade B, which casing has guard-teeth C formed on the upper edge of its rigid front, said guard-teeth being curved on circular lines.

The blade B rests upon a blade-support D, which is pivoted at its front corners to the inner surfaces of the end walls of the casing A in such a manner that the hinge-pivots D' of said support are concentric with the circle on which the guard-teeth are shaped.

On the upper edge of each end wall of the casing A a lug E is formed which lugs are bent toward each other and against the blade is pressed the collar F' of a screw F, screwed through a downwardly-extending lug G on the rear swinging edge of the support D, which lug G has a wing H, extending to the front. Said wing rests upon a screw J, screwed through the bottom of the casing, so as to permit of swinging up the blade-support D, the same being provided at each end with a notch K, of sufficient size to permit the lugs E to

pass through them when the support is swung up. In the construction shown in Figs. 4, 5, and 6 the lugs E on the upper edge of the end walls of the casing A are omitted, and the pivoted blade-support D is provided at its ends and upper surface with angle-lugs L, against which the upper surface of the blade B is pressed by the screw F. This support can also be swung up freely, so as to open the top of the casing A.

For the purpose of holding the blade-support in normal position for shaving, two flat friction-springs M are attached to the inner faces of the end walls of the casing and bear against the ends of the support and prevent the same from swinging up too freely or wobbling. The ends of the support D are pressed against said springs M by the upward pressure of the screw J. When the support is to be raised for opening the top of the casing, the tension and friction of said springs M is overcome. The upper ends M' of said springs are beveled, so that when the support is swung down to close the casing and for receiving the blade said support presses the springs outward.

On my improved razor the guard is rigid and always retains its position in relation to the casing.

As the blade-support can easily be raised the inner surfaces of the guard-teeth and the interior of the casing can easily be cleaned and wiped thoroughly dry.

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

1. In a safety-razor, the combination with a casing, having a guard at its front, of a blade-support, pivoted at its front edge to the front part of the casing to swing upward and outward, over the guard, so as to entirely open up the top of the casing and to give free access to the guard for cleaning the same, substantially as herein shown and described.

2. In a safety-razor, the combination with a casing, having fixed guard-teeth on its front, and angle-lugs projecting toward each other from the upper edges of the end walls of the casing, of a blade-support pivoted at the front

of the casing to swing up and toward the front over the guard and having notches in its ends for the passage of the end lugs, a screw on which the support rests and a screw
5 for holding the blade on the support, substantially as herein shown and described.

In testimony that I claim the foregoing as

my invention I have signed my name, in presence of two witnesses, this 10th day of March, 1896.

EUGENE J. FUCHS.

Witnesses:

H. ADOLPH WINKOPP,

GUST. HUGELMEYER.