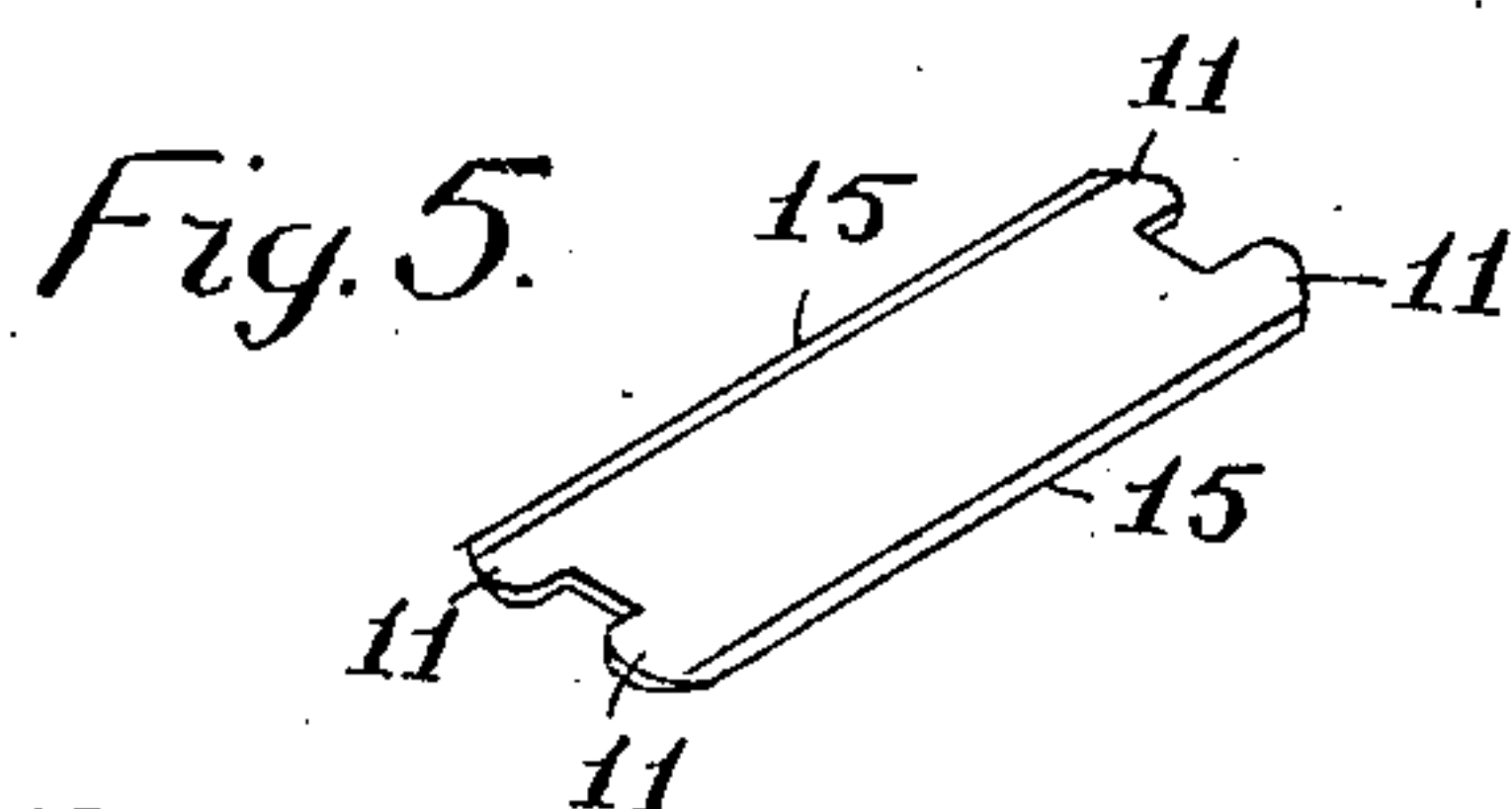
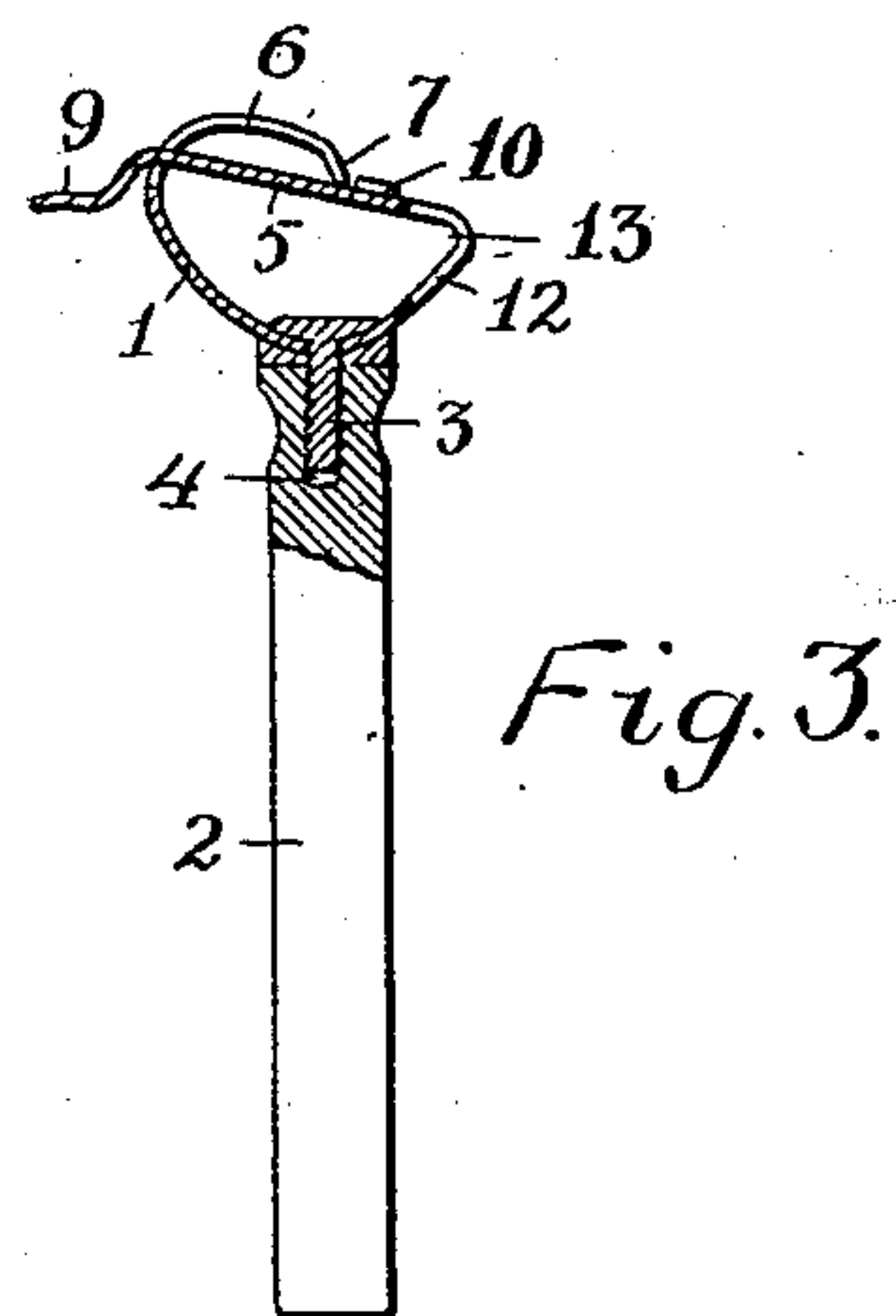
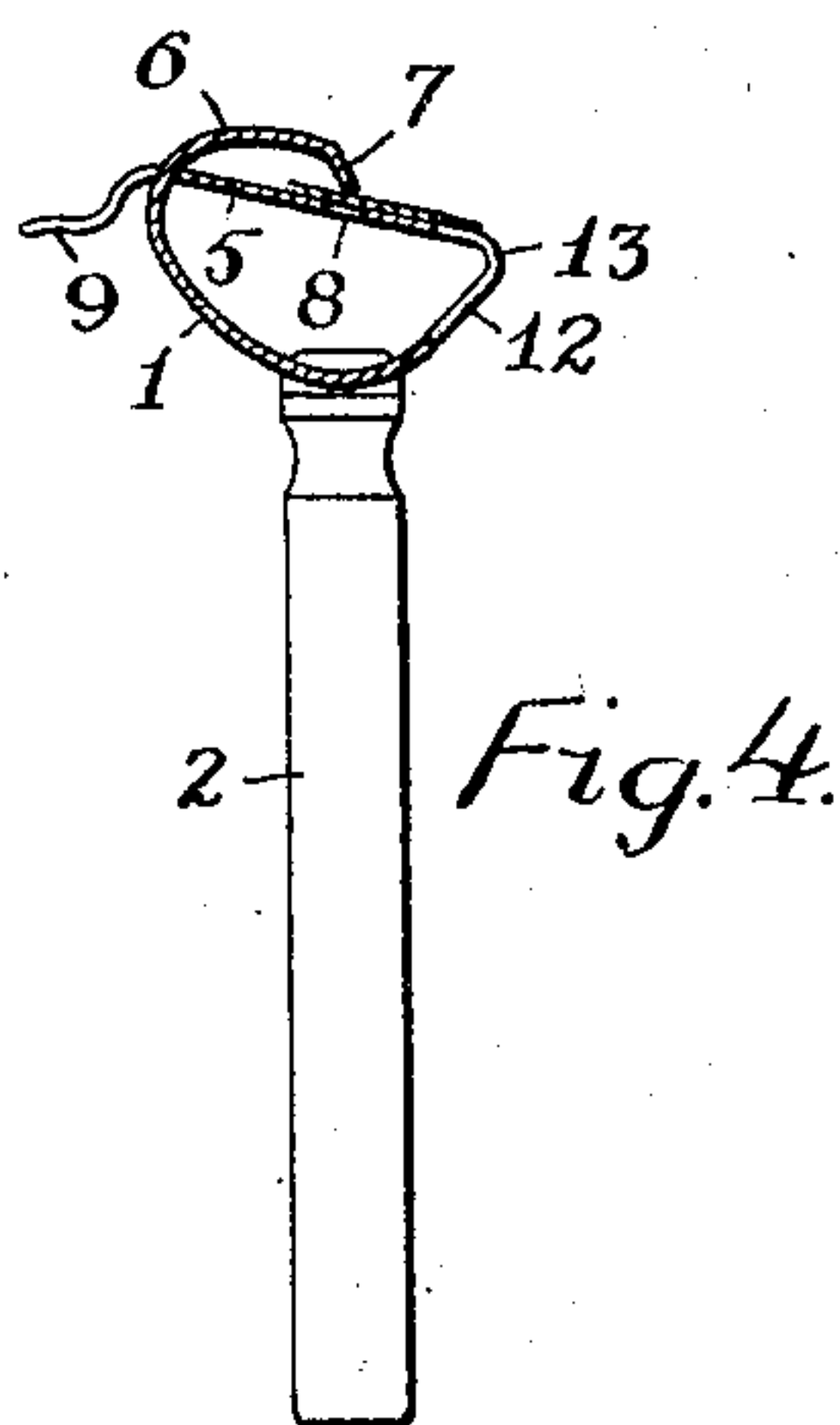
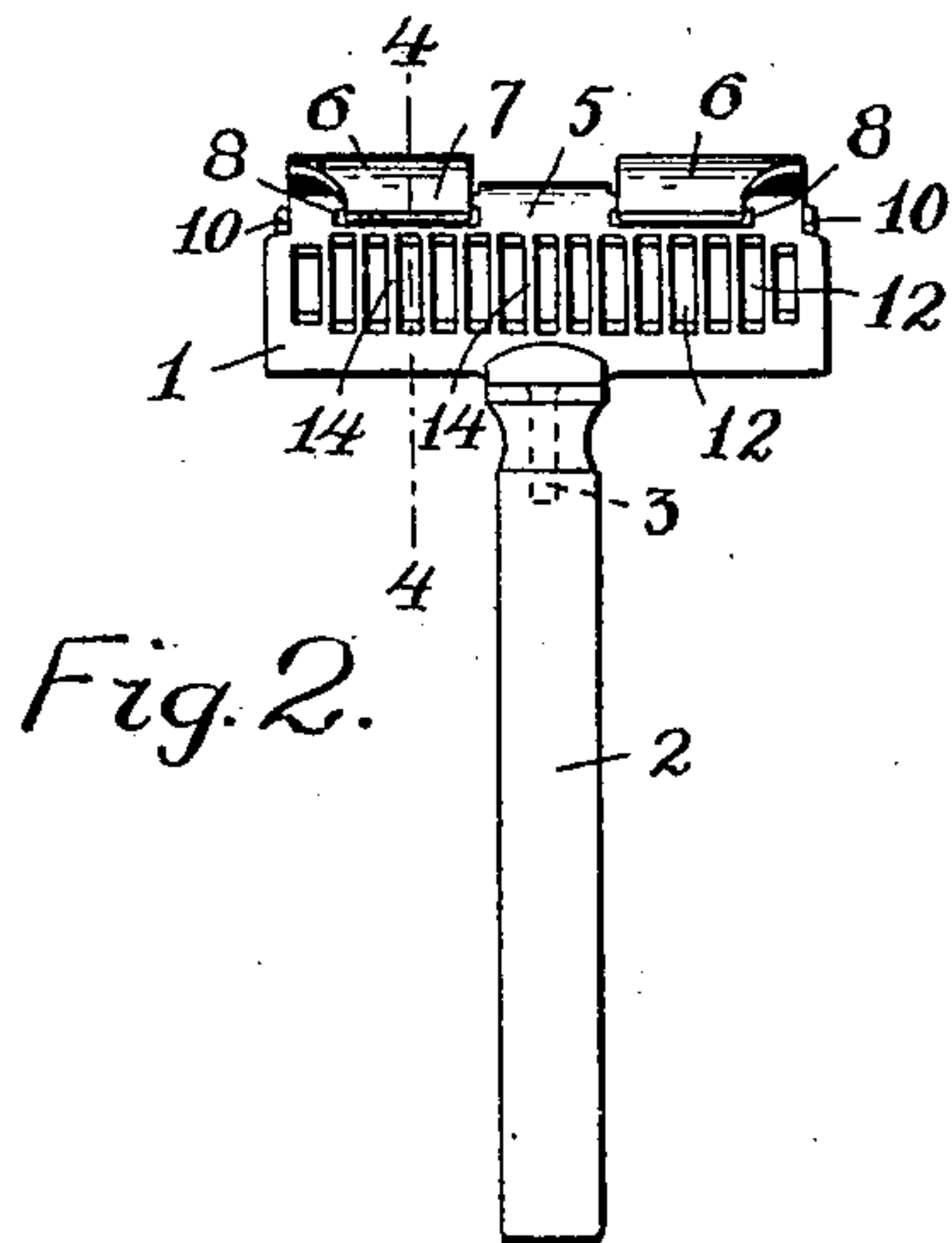
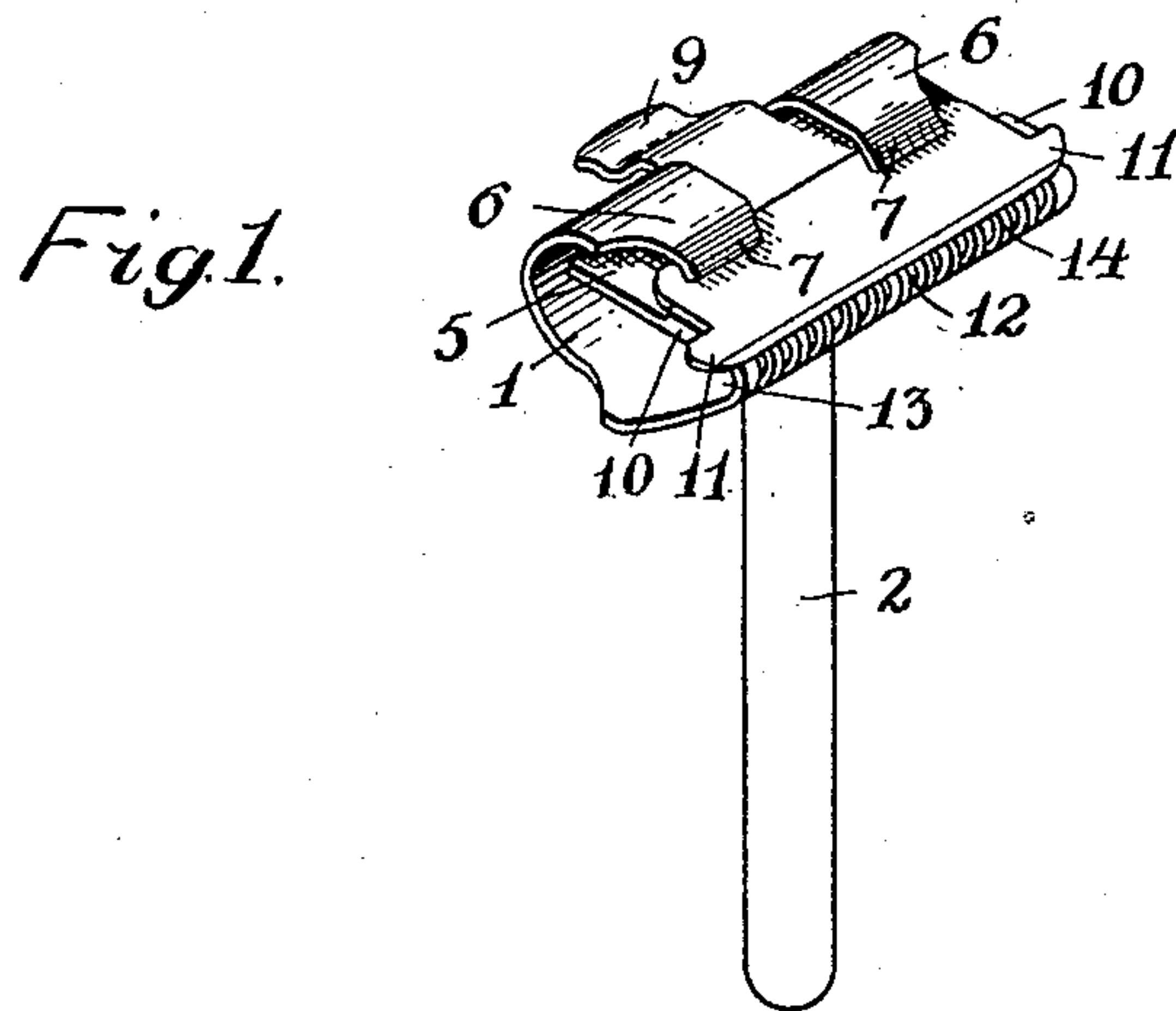


No. 855,560.

PATENTED JUNE 4, 1907.

L. H. COBB.  
SAFETY RAZOR.  
APPLICATION FILED APR. 4, 1907.



Witnesses

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# UNITED STATES PATENT OFFICE.

LYMAN H. COBB, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO MARY ELIZABETH JOHNSON, TRUSTEE, OF FITCHBURG, MASSACHUSETTS.

## SAFETY-RAZOR.

No. 855,560.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed April 4, 1907. Serial No. 366,448.

*To all whom it may concern:*

Be it known that I, LYMAN H. COBB, a citizen of the United States, residing at Fitchburg, in the county of Worcester and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification accompanied by drawings, forming a part of the same, in which—  
Figure 1 is a perspective view of a safety razor embodying my invention. Fig. 2 is a front view of the safety razor with the blade removed. Fig. 3 is a central vertical sectional view of the same. Fig. 4 is a sectional view on line 4—4 Fig. 2, but with the blade in position. Fig. 5 is a view of a modified form of blade.

Similar reference letters and figures refer to similar parts in the different views.

My invention relates to an improved form of safety razor in which I combine ease of insertion and attachment of the blade with security in such attachment, and it consists in the construction and arrangement of parts as hereinafter described and pointed out in the annexed claims.

Referring to the accompanying drawings, 1 is the head of the safety razor provided with a handle 2, detachably secured in any suitable manner to the head, in the present instance by a screw 3 inserted in a screw threaded hole 4 in the handle 2. The head 1 comprises a leaf 5 adapted to support the blade and upon which the blade is held by the spring arms 6, 6, with the under side of their ends 7, 7, substantially in the plane of the leaf 5, which is provided with openings 8, 8, beneath the ends 7, 7, to provide a clear space for cleaning.

The leaf 5 is provided with a rearward extension 9 between the arms 6, 6, to serve as a handle by which the leaf 5 may be slightly depressed in order to allow the insertion of the blade. The leaf 5 is also provided with lugs 10, 10, arranged to contact with the ears 11, 11, on the razor blade, thereby insuring the correct position of the blade on the leaf 5. Upon the insertion of the blade the extension 9 is released and the blade is firmly pinched between the leaf 5 and the arms 6, 6, and firmly held by the elasticity of the arms and leaf.

The head 1, as shown, consists of a single piece of sheet metal cut in the required shape.

and bent downward and rearward at the front edge of the leaf 5 to receive the handle, then upward and forward with the arms 6, 6, turned downward over the rear edge of the leaf 5. Projecting from the rear edge of the leaf 5 the extension 9 is bent into proper form to serve as a thumbpiece to depress the leaf 5 for the insertion of the blade. At the front of the leaf 5 are slots 12 extending across the acute angled bend 13, and beneath the cutting edge of the blade to form the curved guards 14. I do not confine myself, however, to the specific details of construction shown as, so far as I am aware, the employment of a blade supporting leaf and overlapping arms between which the blade is pinched by elasticity of the arms, or table, or both, is broadly new.

In Fig. 5 I have shown a modified form of blade provided with two cutting edges 15, 15, which may be used with my safety razor. This blade is provided with two pairs of ears 11, 11, arranged to inclose the lugs 10, 10, and hold the blade in position, with either of its cutting edges at the front. The openings 8, 8, in the leaf 5 are larger than the opposing ends 7, 7, of the arms 6, 6, and provide a clear space around the ends 7, 7, to facilitate the cleansing of the head when the blade is removed.

I claim,

1. In a safety razor, a head provided with a spring leaf for the support of a cutting blade, an overlapping arm having its free end substantially in the plane of the leaf, and means for separating said leaf and said arm for the insertion of a blade between them.

2. In a safety razor, a head provided with a spring leaf for the support of a cutting blade, a spring arm in contact with the supporting surface of said leaf, and means for depressing said leaf to provide for the insertion of a blade.

3. In a safety razor, a head provided with a spring leaf for the support of a cutting blade, an arm in contact with the supporting surface of said leaf, and means for depressing said leaf out of contact with said arm.

4. In a safety razor, a head provided with a leaf for the support of a cutting blade, a slot in said leaf, an arm having its free end substantially in the plane of the table and above said slot, and means for separating said leaf and said arm.



5. In a safety razor, a head made of a single piece of sheet metal comprising a leaf having a plane surface for the support of a blade, with the sheet metal bent downward at the front edge of said leaf, then rearward and upward to a point near the rear edge of said leaf, and having arms overlapping said leaf and adapted to pinch a blade supported on the leaf. 15
- 10 6. In a safety razor, a head constructed of a single piece of sheet metal, comprising a leaf for the support of a cutting blade, an integral arm overlapping the supporting surface of said leaf, said arm and said leaf being adapted to pinch the blade by the elasticity of the sheet metal, and means for separating said leaf and said arm. 20
7. In a safety razor, an integral sheet metal head, comprising a leaf for the support of a cutting blade and overlapping arms for pinching the blade, said leaf having openings beneath the ends of said arms. 25

Dated this twenty ninth day of March 1907.

LYMAN H. COBB.

Witnesses:

R. T. TARKELEON,

E. W. CARRUTH.