

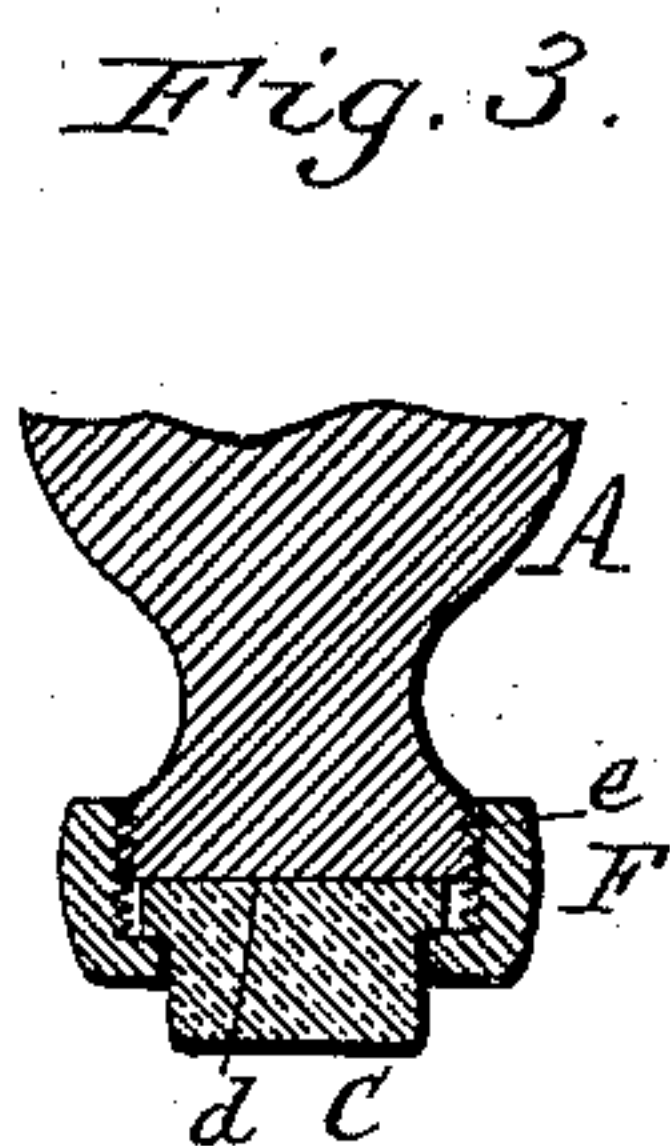
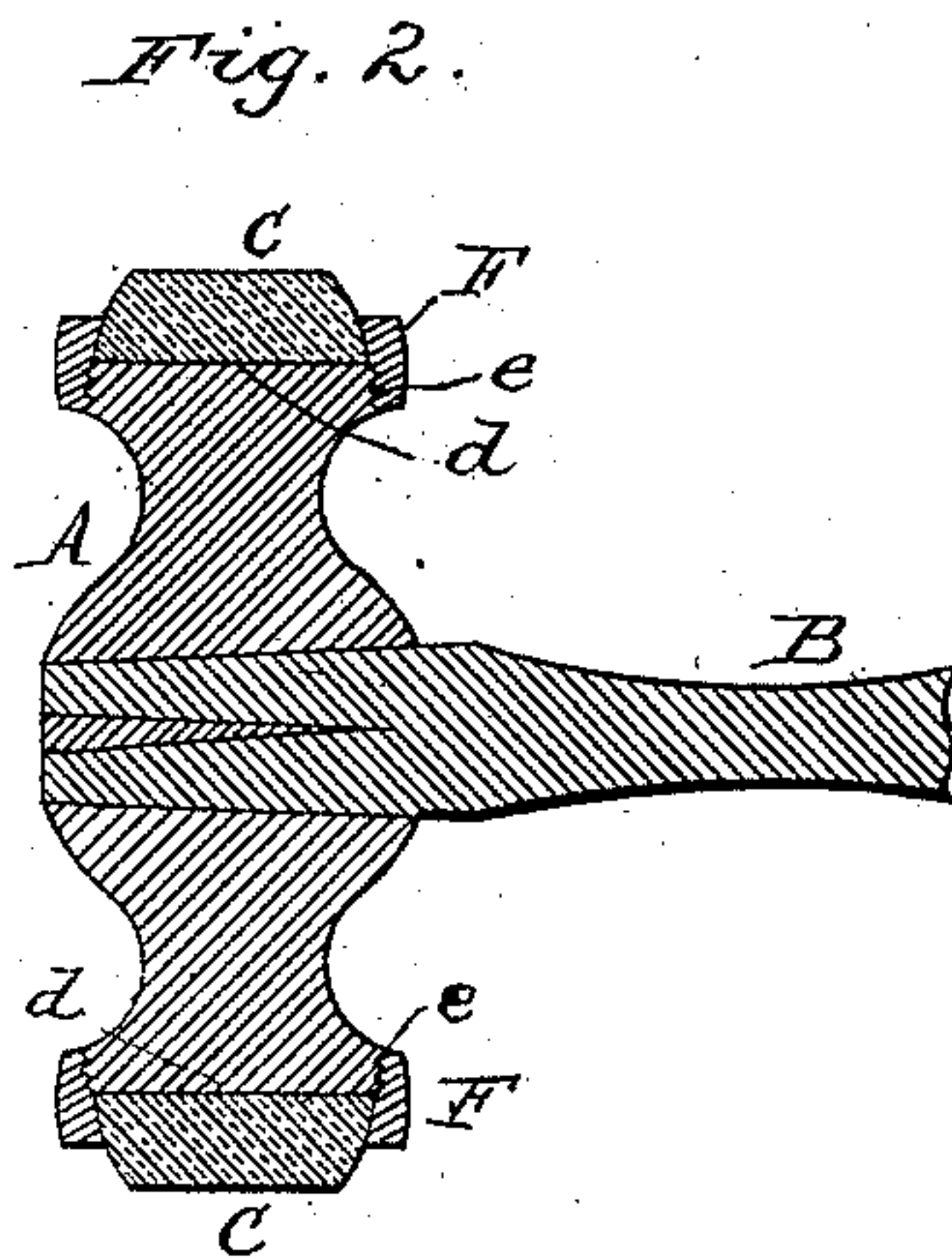
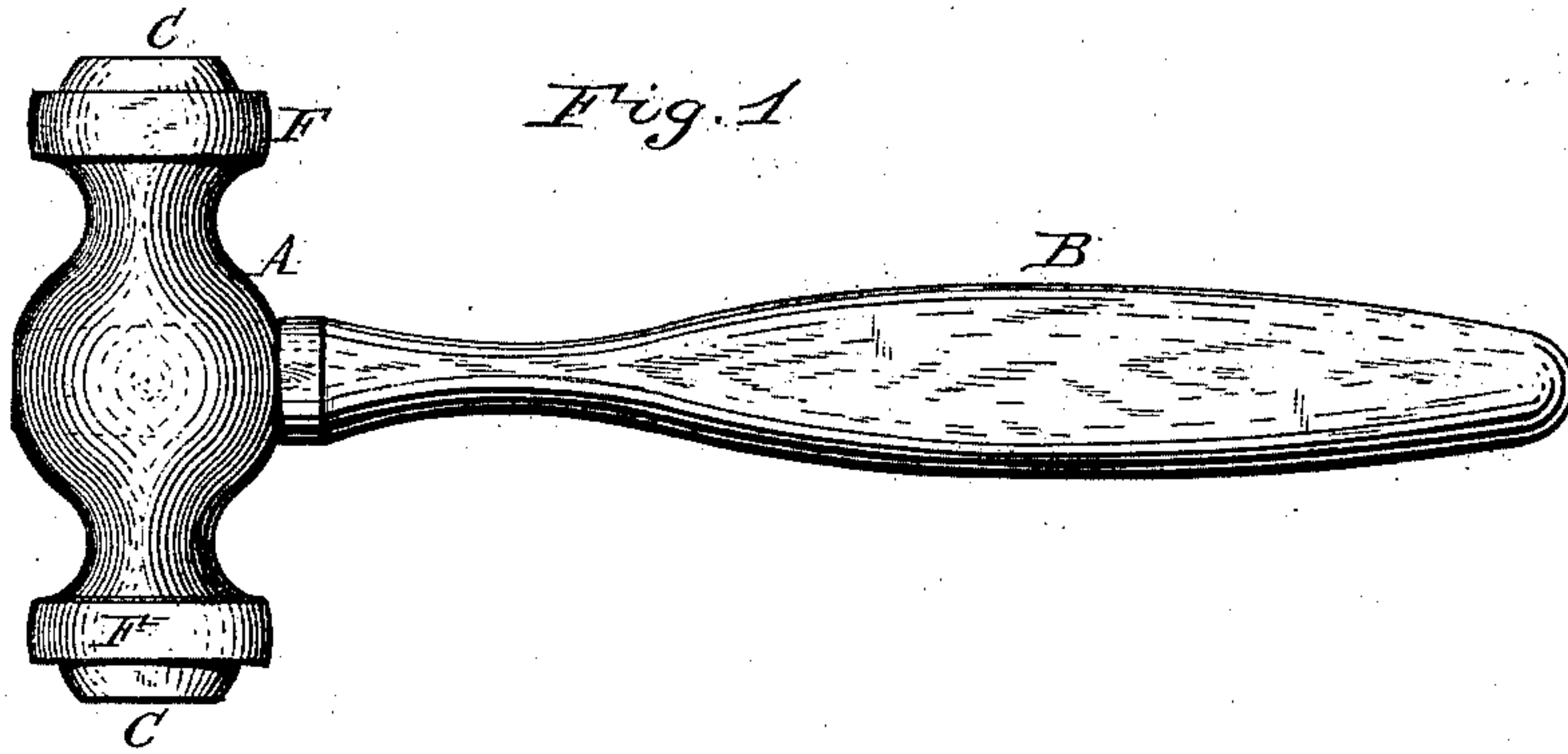
(No Model.)

C. A. SVENSSON.

MALLET.

No. 378,632.

Patented Feb. 28, 1888.



C. A. Svensson, Inventor.

By Wilhelm Honner.

Attorneys.

Geo. J. Buchheit Jr.  
Theodore L. Popp, Witnesses.

# UNITED STATES PATENT OFFICE.

CLAES A. SVENSSON, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF TO  
WILLIAM W. OLIVER, OF SAME PLACE.

## MALLET.

SPECIFICATION forming part of Letters Patent No. 378,632, dated February 28, 1888.

Application filed June 8, 1886. Serial No. 204,509. (No model.)

*To all whom it may concern:*

Be it known that I, CLAES A. SVENSSON, of the city of Buffalo, in the county of Erie and State of New York, have invented a new and  
5 useful Improvement in Mallets, of which the following is a specification.

This invention relates more particularly to an improvement in that class of mallets which are used by jewelers for beating metals, &c.,  
10 and which are provided with removable beating-faces.

The object of my invention is to construct the mallet in such manner that its faces can be easily removed and replaced when worn, and  
15 without materially increasing the cost of the mallet.

My invention consists of the improvements which will be hereinafter fully described, and pointed out in the claim.

20 In the accompanying drawings, Figure 1 represents a side elevation of my improved mallet. Fig. 2 represents a vertical longitudinal section of the same. Fig. 3 is a vertical section of a modified construction of the mal-  
25 let.

Like letters of reference refer to like parts in the several figures.

30 A represents the head of the mallet, which is preferably constructed of cast-iron and provided with the usual tapering socket for the reception of the handle B.

35 C C represent the beating-faces, which are removably secured to opposite ends of the head A of the mallet. Each end of the head A is provided with a flat circular face, *d*, which is surrounded by an external screw-thread, *e*. An internally-threaded collar or ring, F, is

applied to the external thread, *e*, and clamps the removable face C against the flat face *d* of the head A. The removable faces C are ta- 40 pered outwardly and the collars F are contracted outwardly to correspond with the tapering sides of the faces C. The latter are constructed of rawhide or other suitable material which will not mar or indent the metal 45 or other substance upon which the tool is to be used. If the face C should become loose by continuous use, it is easily tightened by screwing the collar F farther down on the hammer-head. When the face becomes so much 50 worn that it requires to be renewed, it is easily removed by unscrewing the collar F and replaced by a new face.

It is obvious that the face C may be provided at its base with a projecting rim and the col- 55 lar F at its outer end with an overhanging flange, whereby the face C may be secured upon the head A, as represented in Fig. 3.

I claim as my invention—

The combination, with the hammer-head A, 60 having its end provided with an external screw-thread, of a removable beating-face having a laterally-projecting base and a collar surrounding the removable face, and having an internal screw-thread engaging with the threaded end 65 of the head, whereby the removable face is secured to the head, and projecting inwardly at the outer end to overlap the projection of the face, substantially as set forth.

Witness my hand this 1st day of June, 1886. 70  
C. A. SVENSSON.

Witnesses:

JNO. J. BONNER,  
CARL F. GEYER.