

(No Model.)

H. WIEDMANN.

HAMMER.

No. 281,217.

Patented July 10, 1883.

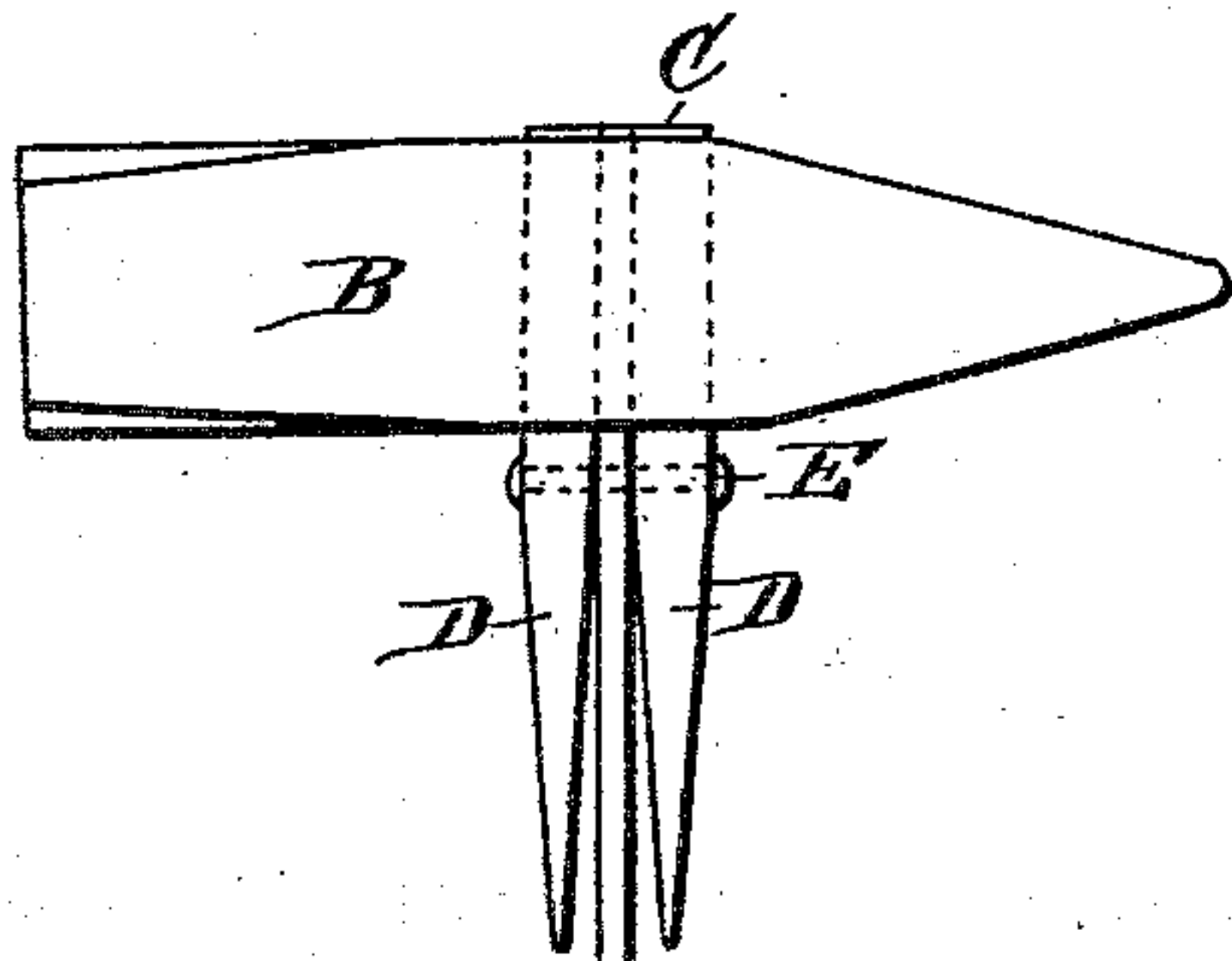


Fig. 1.

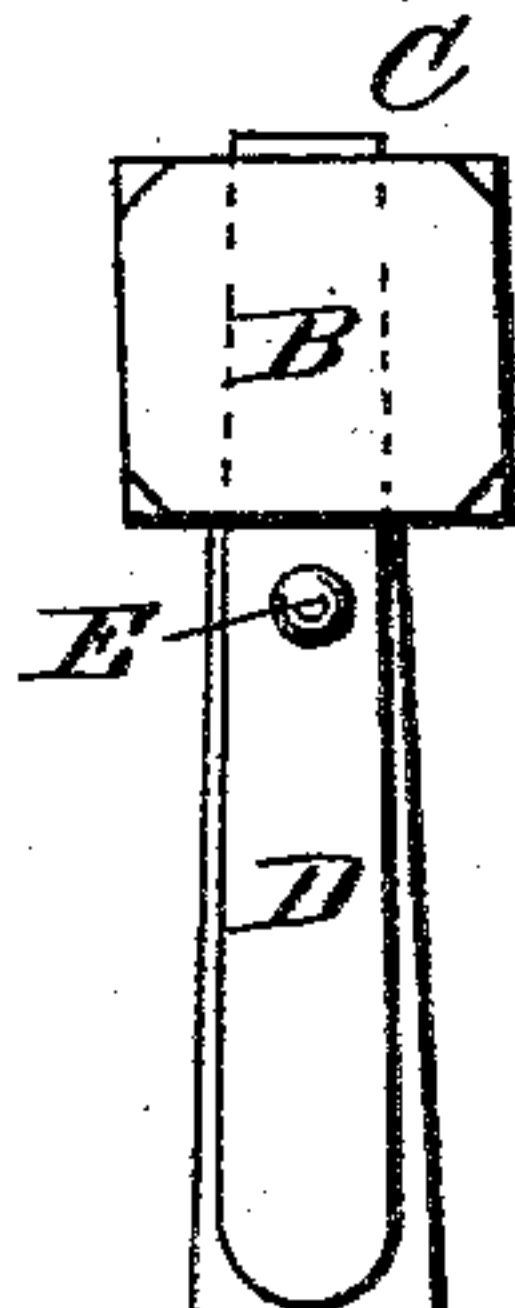
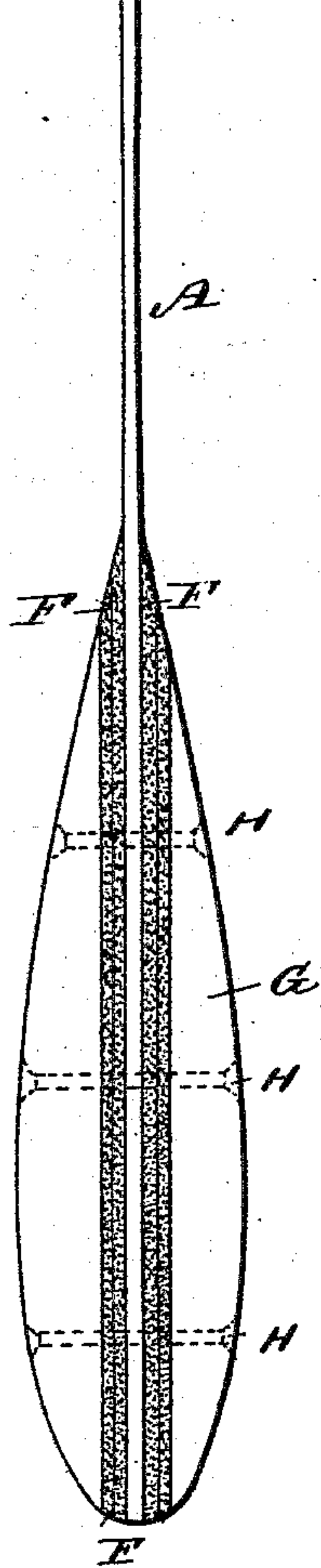
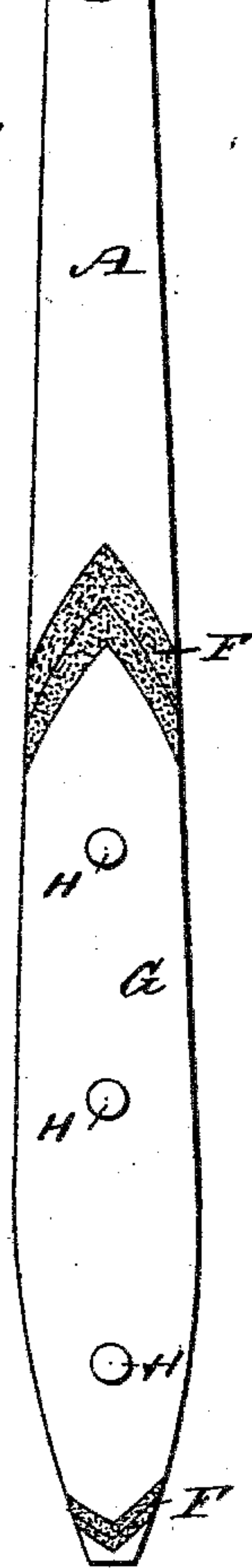


Fig. 2.



WITNESSES:

*Theo. G. Foster*  
*C. Sedgwick*

INVENTOR:

*H. Wiedmann*

BY

*Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HEINRICH WIEDMANN, OF NUREMBERG, GERMANY, ASSIGNOR OF ONE-HALF  
TO GUSTAV SPECKHART, OF SAME PLACE.

## HAMMER.

SPECIFICATION forming part of Letters Patent No. 281,217, dated July 10, 1883.

Application filed March 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HEINRICH WIEDMANN, of Nuremberg, Germany, have invented a new and Improved Hammer, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved hammer with an elastic rod or handle, so that an elastic and effective blow can be delivered with the hammer without pain or jarring the hand; and to this end it consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal side elevation of my improved hammer. Fig. 2 is a longitudinal front end elevation of the same.

The handle A is formed of a strip of steel or other suitable elastic material, which tapers in width from the lower toward the upper end, but is of the same thickness throughout. The upper end of the strip A is passed through the aperture in the hammer-head B, and is then flattened down to form a head or flat button, C, on top of the hammer-head. Two wedges, D, are driven into the aperture in the hammer-head from the bottom of the same, the wedges resting against the opposite surfaces of the strip A, and the tapered ends of the wedges projecting downward, as shown. A rivet, E, is passed through the wedges and through the strip A directly below the hammer-head. On the lower part of the sides of the strip A strips F, of hide, rubber, leather, or analogous material, are placed, and on the same two semi-ellipsoidal or like handle-pieces, G, made of wood, bone, hard

rubber, metal, &c., are placed, and a series of rivets, H, are passed through the handle-pieces G, the strips F, and the metal strips A, to hold them all together. The strips F deaden the jar of the handle and protect the hand of the operator from being pained or jarred by the handle. This also obviates loosening of the rivets.

The hammer-head may have any desired shape, and, if desired, the handle can be attached to the head by any other means in place of the wedges. For instance, it may be fastened on by screws, welded, or riveted on the head; or the head and stem may be made integral. As the handle is elastic, a strong elastic blow can be delivered by means of the hammer.

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

1. An improved hammer-handle, consisting of the elastic handle A, the handle-pieces G, and the elastic strips F, interposed between the handle-pieces and handle, substantially as herein shown and described.

2. The combination, with the hammer-head B, of the elastic handle A, provided with the handle-pieces G and interposed elastic strips F at its outer end, and the wedges D, passing through the edge of the hammer-head on opposite sides of handle, and secured thereto below the hammer-head, substantially as herein shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HEINRICH WIEDMANN.

Witnesses:

RUPERT WIEDMANN,  
A. MUSSINAU.