

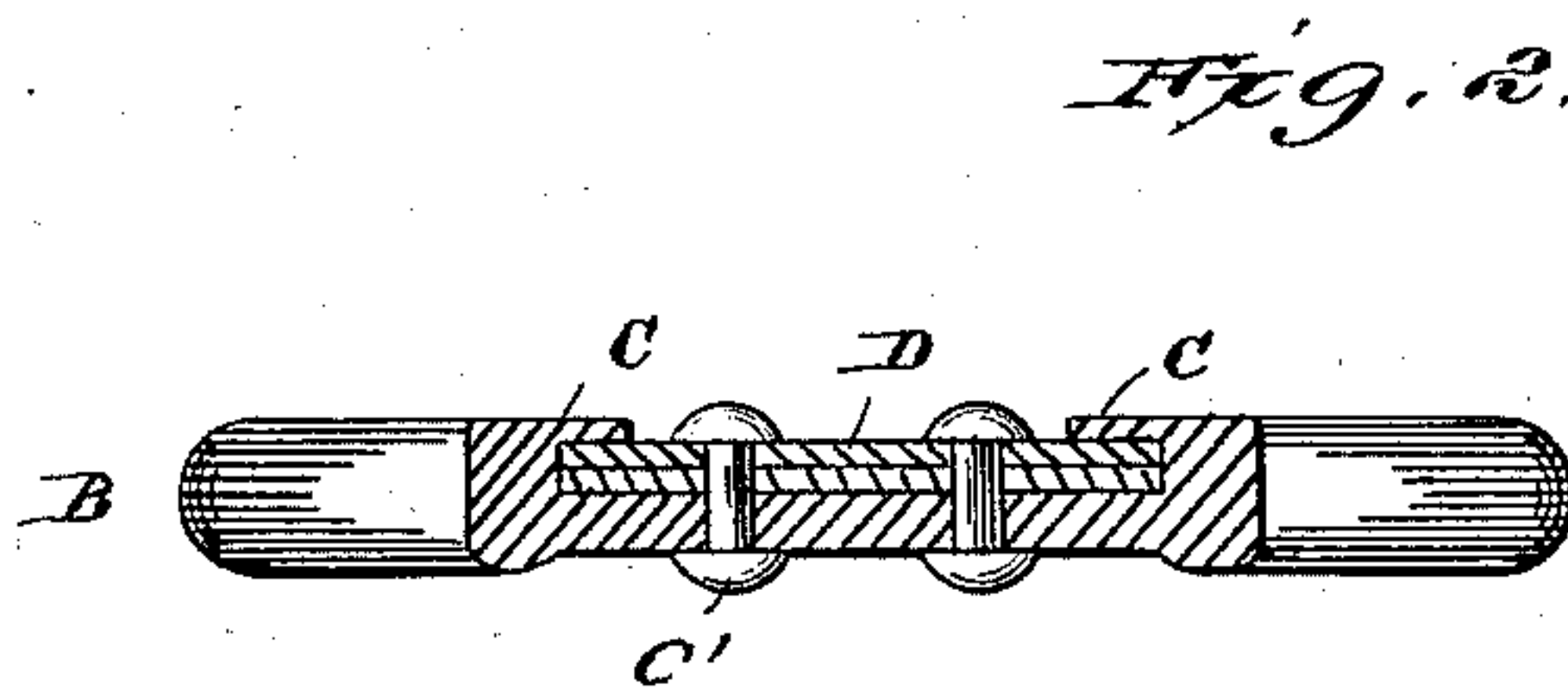
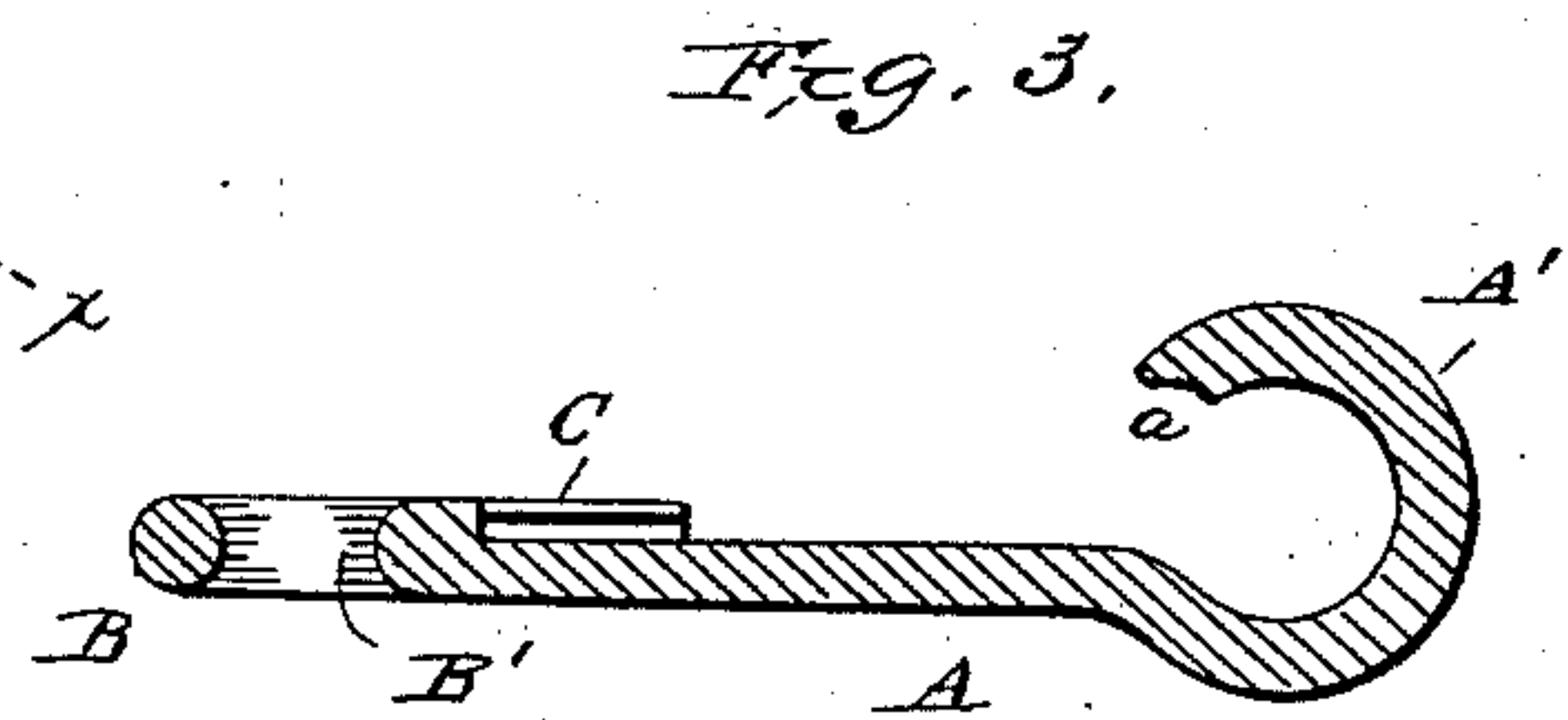
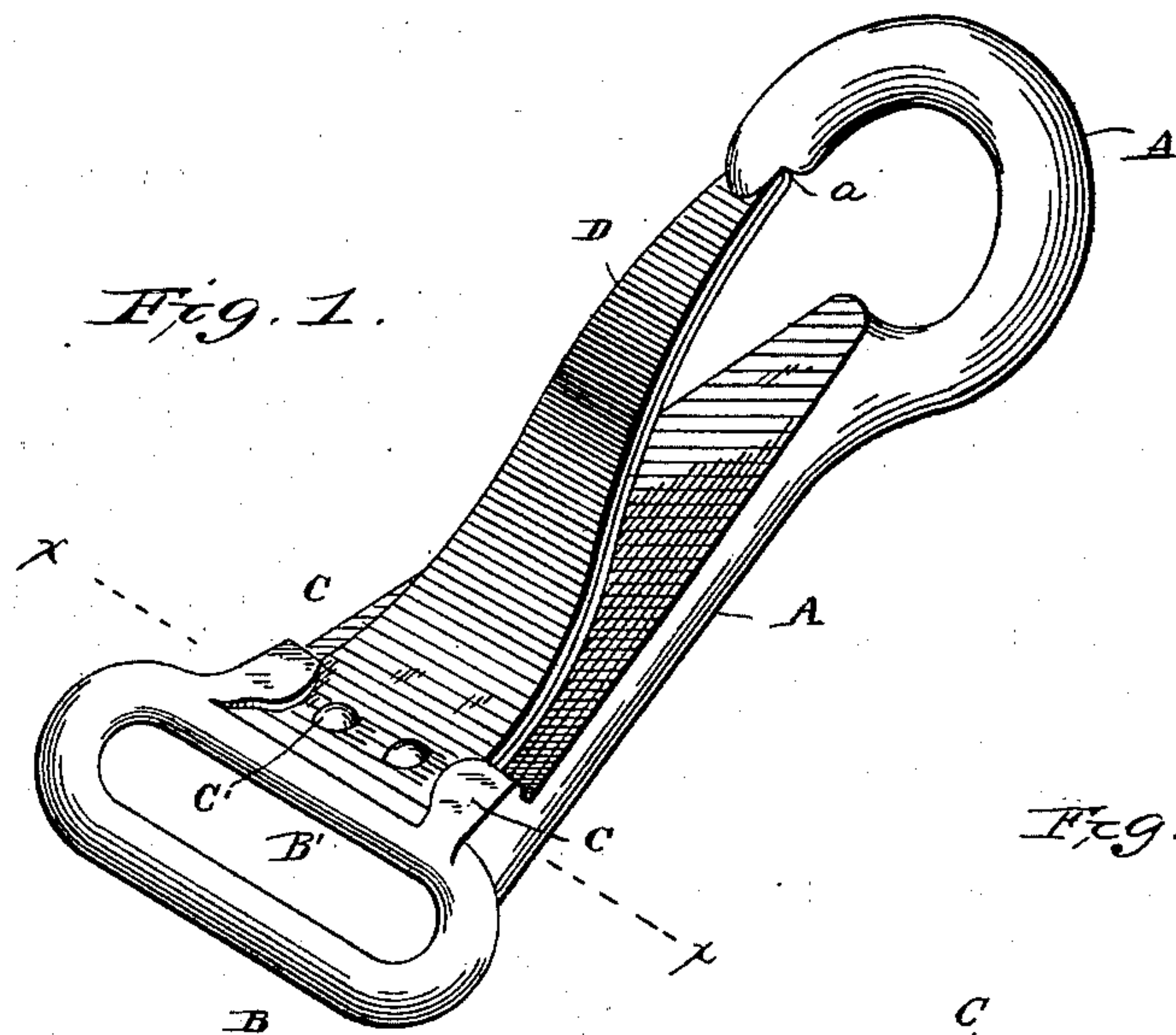
(No Model.)

A. M. BLAKE.

SNAP HOOK.

No. 280,283.

Patented June 26, 1883.



Witnesses.  
Edwin L. Yewell  
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# UNITED STATES PATENT OFFICE.

ANDREW M. BLAKE, OF CANTON, OHIO.

## SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 280,283, dated June 26, 1883.

Application filed January 11, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW M. BLAKE, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Snap-Hooks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has for its object to produce a new article of manufacture; and it relates to certain new and useful improvements in snap-hooks for harness, the point of novelty consisting, first, in casting the hook of malleable iron, with a seat for the spring, the said seat being formed by a transverse rib, and by lugs or lips extending from the said seat; secondly, in the use of two thin pieces of steel or equal size and corresponding shape, for the purpose of forming the spring.

In the accompanying drawings, forming a part of this specification, and on which like letters of reference indicate corresponding features, Figure 1 represents a perspective view of my improved snap-hook; Fig. 2, a transverse sectional view thereof on the line *x x*, and Fig. 3 a longitudinal sectional view of the same.

Before entering into a minute description of my device, I desire to state that I am aware of the fact that it is not broadly new to provide the body of a snap-hook with lugs which are adapted to bear upon the spring, and that it is also not new, broadly, to use more than one leaf to constitute the spring. In such instance, however, the seat for the spring has not been formed by a depression in the body of the snap-hook; nor has the spring been constituted of two leaves of equal size and thickness; nor yet have such features been combined to make a device entire.

The letter A indicates the body of my improved snap-hook, terminating at one end in a

hook, A', having a seat, *a*, for a purpose which shall presently appear, and at the other in a loop, B. Across the loop end of the shank or body extends a rib, B', above the plane of the shank, the forward edge of the rib forming a shoulder against which the ends of the leaves which form the spring abut. At each side of the shank and at the ends of the rib are lugs or lips C, which extend inwardly and over the spring-seat. The shank is also provided with apertures and rivets C', which serve to hold the leaves of the spring to their places in the seat.

The letter D indicates the spring, which consists of two thin leaves of steel of equal thickness and size, and longitudinally bent into a serpentine form. These leaves are provided with apertures, which agree with those above mentioned, for the reception of the rivets C', and are cut of a width just equal to the distance between the vertical sides of the lugs C. Their free ends fit within the notch *a*, formed in the hook A'. After the hook proper has been cast, and the leaves of the spring have been punched or cut to the desired shape, the latter are slipped into their seat against the rib B' and between the lugs C. The latter are then given a blow with the hammer and brought firmly upon the upper leaf, and the rivets are then inserted and their ends upset.

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

The herein-described article of manufacture, consisting of a malleable cast-iron snap-hook body having an end-notched hook, a transverse rib, and lateral lugs surrounding the sides of the spring-seat, and the two-leaved spring fitted in said seat and secured therein by the rivets and the inturned lugs, all constructed as shown and described.

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

ANDREW M. BLAKE.

Witnesses:

J. F. HOFFMAN,  
CHAS. S. BUDGE.