

S.C. Searles,

Calkers Mallet.

No. 100,562.

Patented Mar. 8. 1870.

Fig. 1

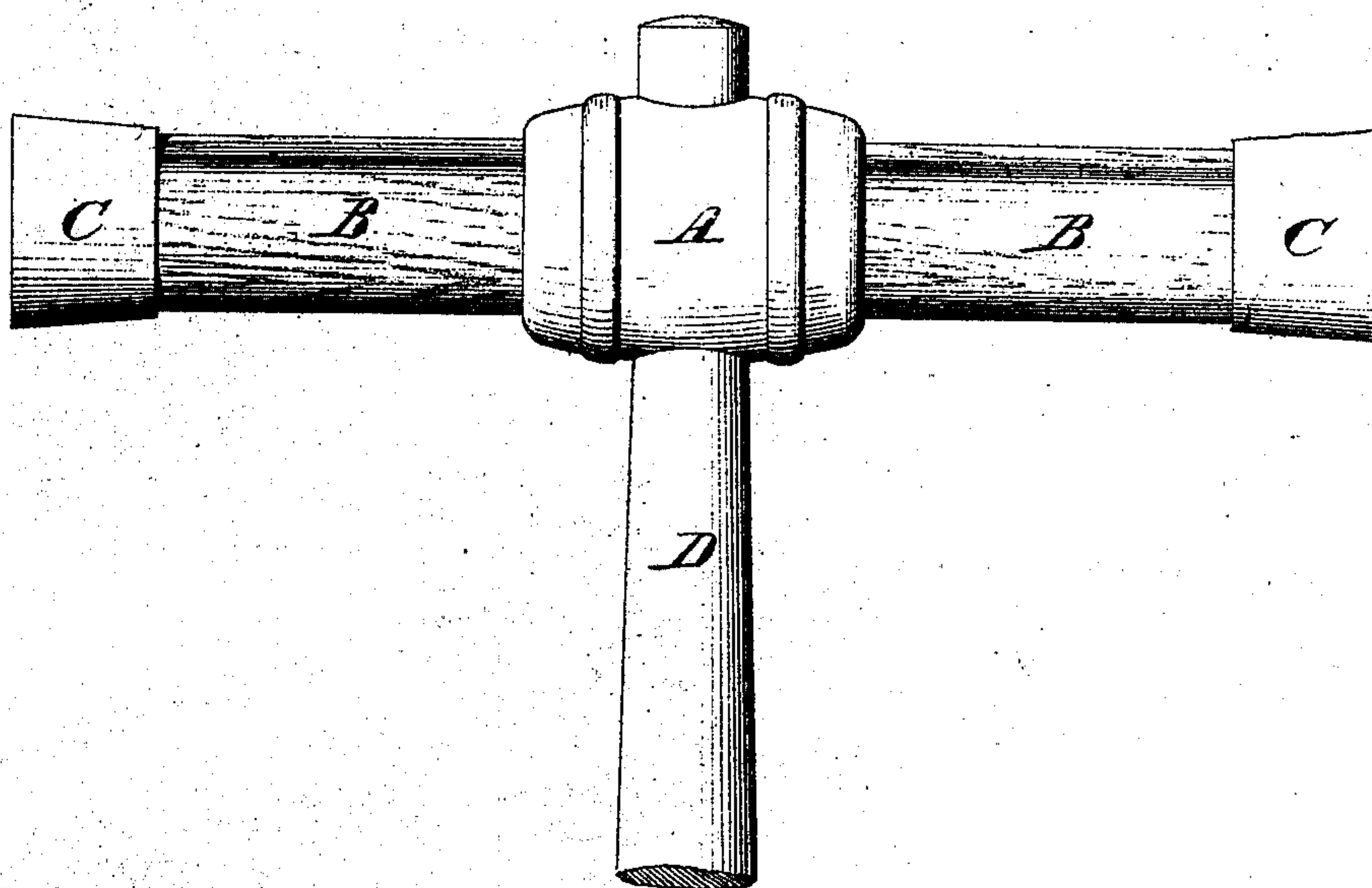


Fig. 2

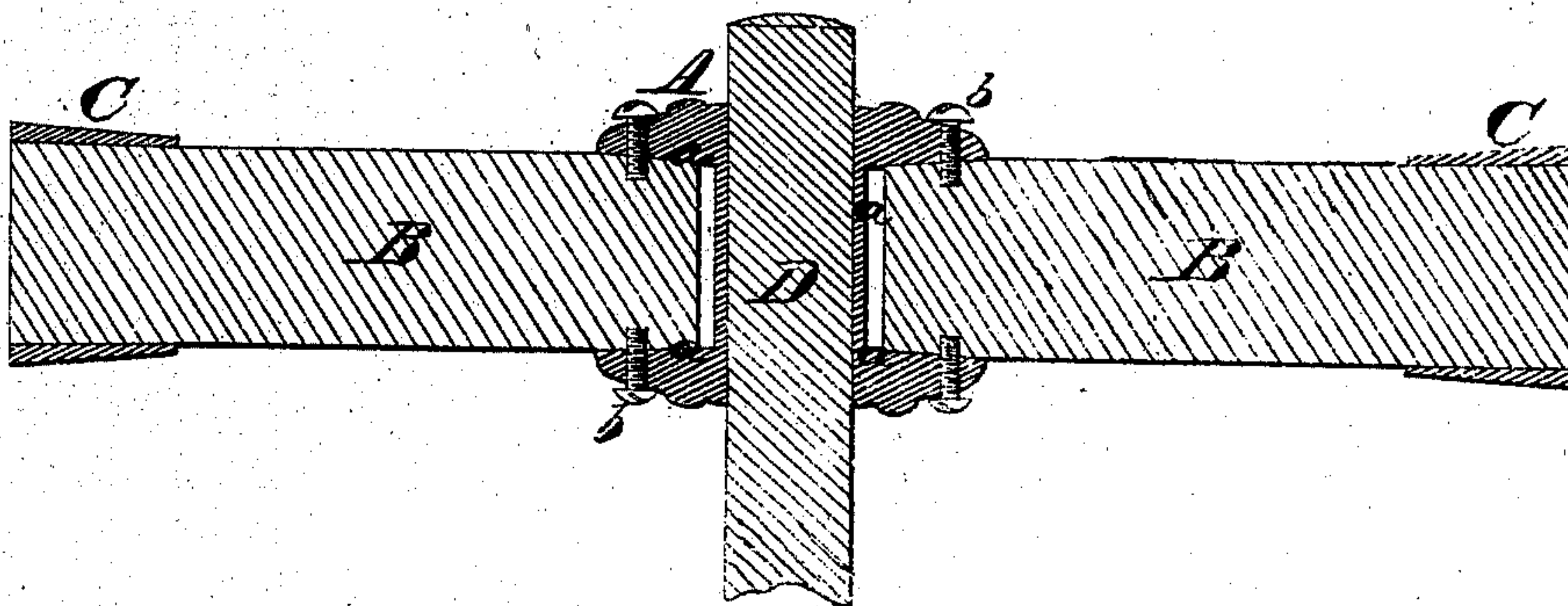
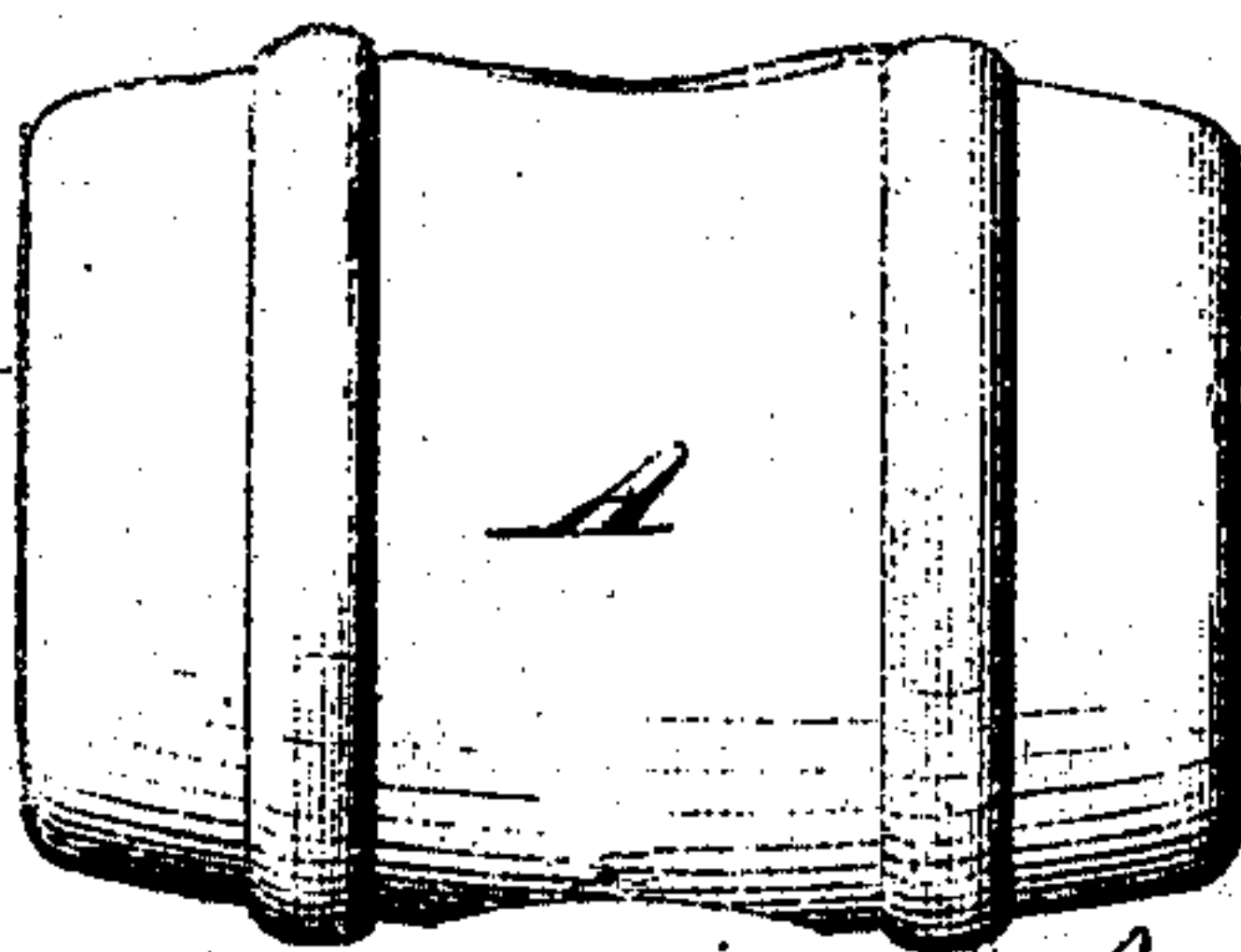


Fig. 3



Witnesses,
W. Campbell
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Inventor

Saml. C. Searles

Atty. General
Mar. 8. 1870

UNITED STATES PATENT OFFICE.

SAMUEL C. SEARLES, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN CALKERS' MALLET.

Specification forming part of Letters Patent No. **100,562**, dated March 8, 1870.

To all whom it may concern:

Be it known that I, SAMUEL C. SEARLES, of Wilmington, in the county of New Castle and State of Delaware, have invented a new and Improved Calker's Mallet; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view of the improved mallet. Fig. 2 is a section through the mallet. Fig. 3 is a side view of the socket-head.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to improve a calker's mallet by fitting its wooden stocks into a metallic socket-head, through which the handle is passed, in such manner that either one or both of said stocks or striking portions can be readily detached from their head at pleasure, thereby allowing a stock to be removed when crushed or worn out, and a new stock substituted in its place, as will be hereinafter explained.

To enable others skilled in the art to understand my invention, I will explain its construction and operation.

In the accompanying drawing, A represents the metallic head of the instrument, through which is passed the handle D, and into which the stocks or striking portions B B are secured. This head may be made of cast or wrought metal. It is constructed with a socket, *a*, in each end, of suitable diameter and depth, and slightly flaring, as shown in Fig. 2. Between the closed ends of the sockets *a* there is a hole diametrically through the

head A, into which the wooden handle D is fitted.

Each one of the wooden stocks B is slightly tapered so as to fit tightly into its socket *a* when firmly driven therein, and pins or screws *b b* tapped through the head A are employed to confine such head in place.

By combining the screw-fastening with the wedging-sockets, I am enabled to use long wooden stocks and a short metal socket-head, and still retain such stocks in place as securely as necessary, while, at the same time, by loosening the screws or pins, the worn stocks can be very readily withdrawn, as they extend but a short distance into the socket-head.

The ends of the stocks may be shod with metal bands C, as shown in Figs. 1 and 2.

It will be seen from the above description that I have made provision for the renewal of either one of the stocks B B when the old stocks are so much worn or injured as to render their renewal necessary.

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

The calker's mallet herein described, consisting of the metal socket-head A *a*, screws or pins *b b*, stocks B B, and handle D, constructed and applied as and for the purpose set forth.

Wilmington, Delaware, January 25, 1870.

SAMUEL C. SEARLES.

Witnesses:

LEVI C. BOOTES,
WM. B. WIGGINS.