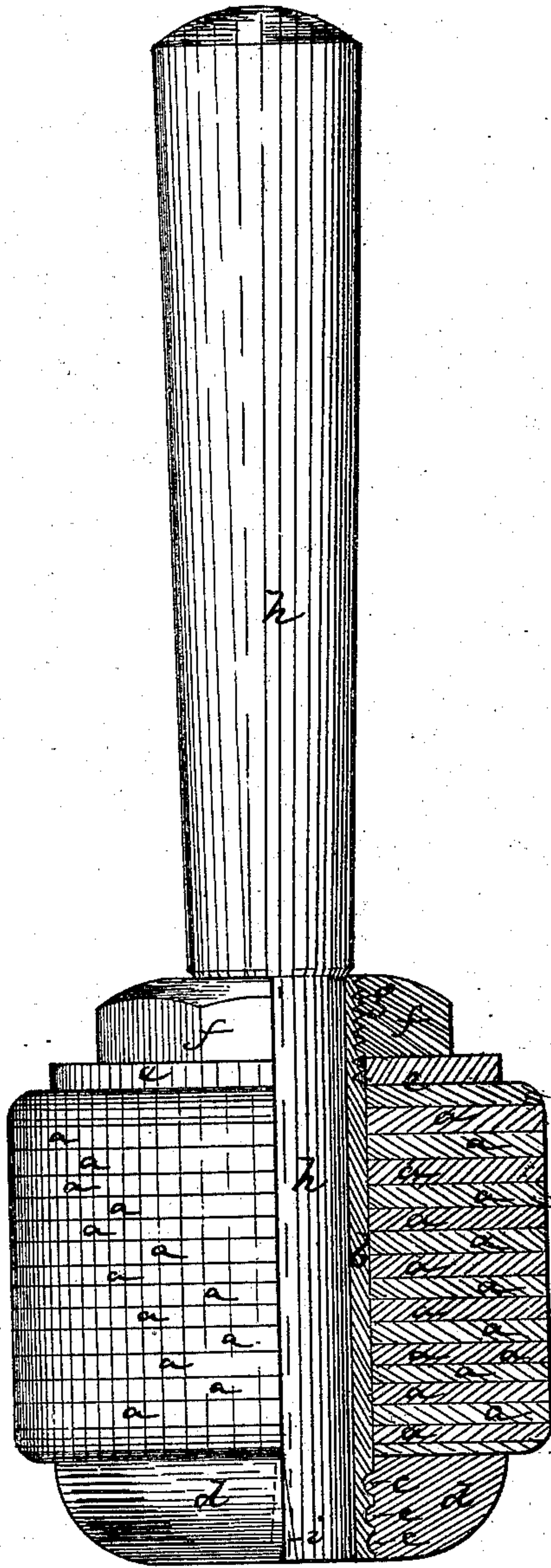


ALLEN PARTRIDGE.
Improvement in Mallets.

No. 127,363.

Patented May 28, 1872.



Witnesses.
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Inventor.
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UNITED STATES PATENT OFFICE.

ALLEN PARTRIDGE, OF MEDWAY, MASSACHUSETTS.

IMPROVEMENT IN MALLETS.

Specification forming part of Letters Patent No. 127,363, dated May 28, 1872.

To all whom it may concern:

Be it known that I, ALLEN PARTRIDGE, of Medway, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Mallets; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

United States Letters Patent No. 46,972, dated March 21, 1865, were granted for my invention of an improved mallet; the said invention consisting of a series of disks (preferably rawhide) compressed tightly between two plates and having an axial handle. In the specific construction shown in said patent an iron spindle extends axially through the handle from end to end, or through the center of the outer clamp-plate, thence centrally through the disks, thence through the other clamp-plate and nut, and thence through the wooden handle. In such construction the lateral strain upon the iron spindle at or near the plane of the second metal collar or clamp-plate is apt to break the spindle; and the object of my present improvement is to add to the enduring power of the tool, and also to simplify its construction.

In my new construction I use, instead of a solid metal bolt or spindle, a metal sleeve or tube, having a length adapted to the reception of only the disks and the metal collars or clamp-plates, said tube having at its outer end one of the collars cast upon it, so as to make it a permanent part or flange of the tube, while at the other end of the tube I place the other collar or clamp-plate with a nut at its outer side, the nut turning on a screw-thread cut on the tube, and, when turned up, tightening and compressing the disks between the

flanges or collars. Through this tube extends the handle, made of wood, the end of the handle being expanded by a wedge to fasten it securely. It is in this peculiar construction that my present invention consists.

The drawing represents, in section, a mallet embodying the improved construction.

a a denote the series of raw-hide or other suitable disks, each made with a central hole to enable them to be placed on the tubular spindle *b*. The spindle *b* is formed with exterior grooves *c* at its lower end, and encircling the tube and cast upon it is the head flange or collar *d*, the tube being an axial projection from the head or flange, and receiving the disks *a*, which are compressed between the flange *d* and the other collar *e*, which collar is forced against the disks by a nut, *f*, working on a screw thread, *g*, around the upper end of the tube or sleeve *b*. Through the sleeve *b* extends the wood handle *h*, the encompassed end of the handle being expanded by a wedge, *i*.

By this construction the mallet is made very enduring, the tubular spindle never breaks, and the wood handle is seldom injured by the blow.

I claim—

The mallet, made with the sleeve *b* encompassing the handle *h*, said sleeve having the fixed flange or collar *d*, between which and the movable collar *e*, operated by the nut *f*, the disks *a* are inclosed and compressed, substantially as shown and described.

Executed this 26th day of February, A. D. 1872.

ALLEN PARTRIDGE.

Witnesses:

FRANCIS GOULD,
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