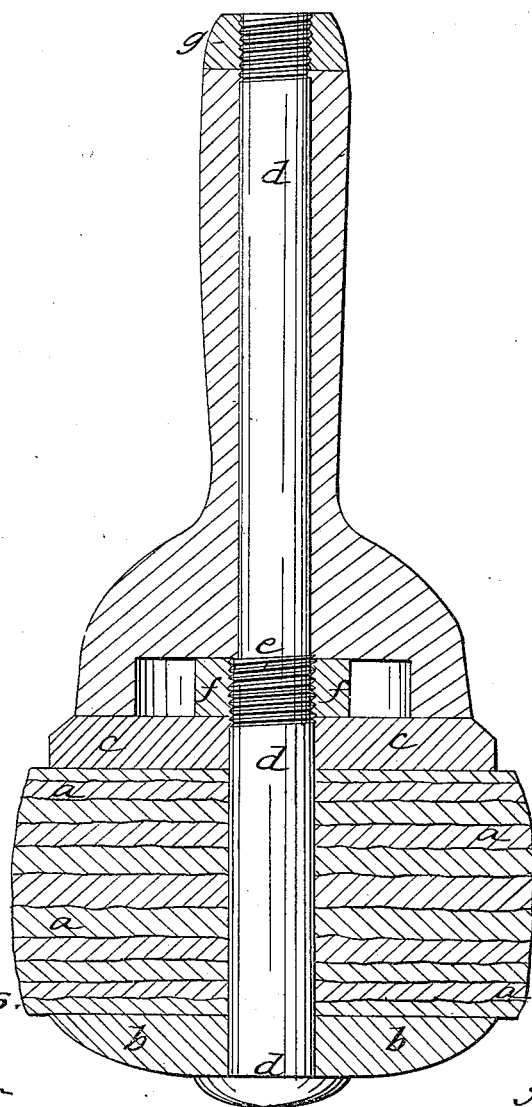


A. Partridge,
Mallet,
N^o 46,972. Patented Mar. 21, 1865.



Witnesses.

J. B. Cowen
W. B. Gleason

Inventor:

Allen Partridge

UNITED STATES PATENT OFFICE.

ALLEN PARTRIDGE, OF MEDWAY, ASSIGNOR TO HIMSELF AND BUTTERFIELD & HAVEN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN MALLETS.

Specification forming part of Letters Patent No. 46,972, dated March 21, 1865.

To all whom it may concern:

Be it known that I, ALLEN PARTRIDGE, of Medway, in the county of Norfolk, in the State of Massachusetts, have invented a new and Improved Mallet; 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.

My invention relates to a mallet of new construction, the object of which is to provide a large surface of durable material, all of which is available for use with no more than sufficient weight for the purpose, which weight is so balanced as to cause the implement to "hang" or balance well in the hand of the operator.

The ordinary technical meaning of mallet is "a wooden hammer or instrument for beating or driving." (See Webster's Dictionary.) But I broaden the meaning so as to include an implement having a large surface with which to give blows. Such an implement, if made of metal, would generally be too heavy, and if the blow-giving surface thereof were of metal it would batter to pieces the object struck, and unless made itself of hardened steel would become defaced by indentations. Mallets of wood, while they do not batter the tools with which they are used, become defaced and splintered, and to obtain the weight needed for blows of sufficient intensity often have to be made so large as to be clumsy in use.

My invention consists of a mallet in which the material which impinges upon the tool driven thereby is made up of disks of any suitable material, preferably green hide, when

strongly compressed and confined in place in and by the other parts of the mallet itself.

By referring to the drawing it will there be seen that the disks *a* are confined between two circular metallic plates, *b* and *c*, with a metallic bolt, *d*, passing centrally through the plates *b* and *c* and the disks *a*, and extending beyond the plate *c*. By the screw-threads on the bolt at *e* and the nut *f* the plate *c* can be forced toward the plate *b*, and the disks *a* will be thereby compressed and made dense. By graduating the size and thickness of the plates *b* and *c* the weight and balance of the mallet may be made whatever is desired.

The extension of the bolt *d* beyond the plate *c* is covered with any material of any desired form for a handle, which is secured in place by the nut *g*. This mallet may be made of almost universal application among craftsmen—as, for example, marble and free-stone workers, wood-workers, shoemakers, &c.

For the disks *a* tanned leather may be substituted for green hide. Paper and paste-board may be employed, and for some uses disks of cloth, rubber, &c., may be introduced. When worn the mallet may be replaced by turning it down on the centers left in the bolt *d*, and when requisite new disks may be introduced between the plates *b* and *c*.

I claim—

As a new article of manufacture, the mallet constructed substantially as herein described.

In witness whereof I have hereunto set my hand this 9th day of February, 1865.

ALLEN PARTRIDGE.

In presence of—

J. B. CROSBY,

W. B. GLEASON.