

C. W. DUNLAP.
HAMMERS.

No. 178,279.

Patented June 6, 1876.

Fig. 1.

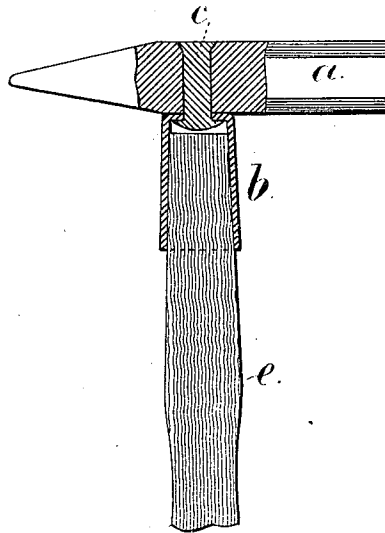


Fig. 2.



Witnesses

Charles H. Smith
Harold Ferrell

Inventor

Charles W. Dunlap.

per Lincol N. Ferrell
1876.

UNITED STATES PATENT OFFICE.

CHARLES W. DUNLAP, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN HAMMERS.

Specification forming part of Letters Patent No. **178,279**, dated June 6, 1876; application filed January 23, 1876.

To all whom it may concern:

Be it known that I, CHARLES W. DUNLAP, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Hammers, of which the following is a specification:

Hammers have been made with metallic straps attached to the head, and running down the sides of the handle, and riveted to such handle; but generally the hammer-head is made with an eye, into which the end of the handle is inserted and secured by wedges. In the first-named case the connection is expensive and difficult to fit, and in the last-named case the end of the handle becomes injured and often broken by the strain upon the same, in consequence of the short bearing that the wooden handle has in the hammer-eye.

My invention is made for strengthening the connection between the handle and the hammer-head; and consists in a tubular socket attached to the hammer-head by a rivet or its equivalent, and receiving the end of the wooden handle. By this construction the handle has a more extended bearing in the socket than it would in the head itself, and the expense of straps and fitting is avoided.

In the drawing, Figure 1 is a section of the hammer complete, and Fig. 2 is an end view of the socket.

The hammer-head *a* is of any desired character, and the socket *b* is in the form of a ferrule, with the end that is closed riveted to the hammer. This operation is preferably performed by a separate rivet, *c*, as shown; but such rivet may be made upon the end of the ferrule, or a screw may take the place of the rivet. The socket *b* is tubular, and of a size adapted to receive the end of the wooden handle *e*, and it is to be sufficiently tapering for the handle to be firmly held by simply driving it into place; but a pin may be inserted transversely as an additional security.

The improvement aforesaid is particularly useful with tack-hammers, as it greatly increases their strength and efficiency, and adds but little to the cost. In large-sized hammers it may be best to attach the socket by two or more rivets or screws.

I claim as my invention—

The tubular socket for the handle, attached to the hammer-head by a rivet or its equivalent, as and for the purposes set forth.

Signed by me this 25th day of January, 1876.

C. W. DUNLAP.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.