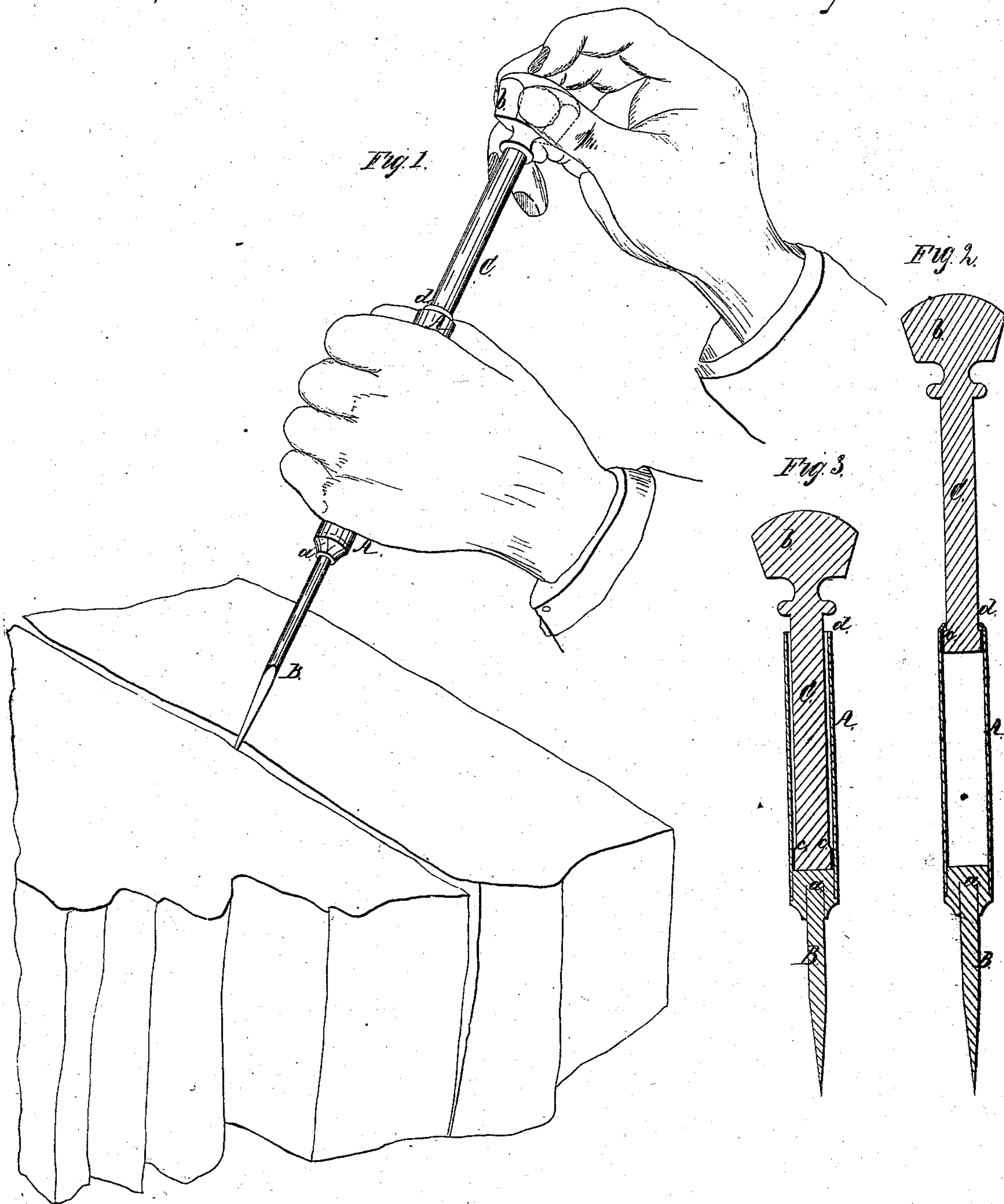


E. G. Burnham,

Ice Pick,

N^o 54,852.

Patented May 22, 1866.



Witnesses;

R. M. Humphreys
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UNITED STATES PATENT OFFICE.

E. G. BURNHAM, OF BRIDGEPORT, CONNECTICUT.

IMPROVED ICE-PICK.

Specification forming part of Letters Patent No. 54,852, dated May 22, 1866.

To all whom it may concern:

Be it known that I, EDWARD G. BURNHAM, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Ice-Picks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my invention as in the act of being used for splitting a piece of ice. Fig. 2 is a vertical section of the ice-pick as adjusted for use in Fig. 1. Fig. 3 is a similar section of the ice-pick as it appears when the hammer portion thereof has been forced home.

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

Ice-picks for family and other use have been constructed with weights, springs, and other auxiliaries, in order that the ice may be broken by a percussive force of the weight or other device upon a shoulder or collar of the pick.

As an improvement in such ice-picks, the nature of my invention consists in a pipe or barrel, open at its upper end, closed at its lower end, and terminating downward in a pointed iron or steel pick, in combination with a solid rod, weighted at its upper end, and fitted within the pipe or barrel in such a manner that its lower end acts with a percussive force against the bottom of the pipe or barrel, and causes the pick to descend into the ice and wedge or split it in pieces. The construction is such that the barrel serves as a handle by which to hold and steady the pick in a given position, and also as a guide to the weighted rod or hammer.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, more specifically with reference to the drawings.

A is a metal pipe or barrel of cylindric or other desired form. The lower end of this barrel is closed by a solid mass of metal, *a*, on which a steel or iron pick, B, is formed, or into which the pick may be secured in any known practical way.

C is the solid rod, with a ball or weight formed on or attached to its upper end, as in-

dicated at *b*. The lower end of the rod C is enlarged so as to form a shoulder, as at *c*. This enlarged portion just snugly fits the inner diameter of the pipe or barrel, while the other portion is smaller than the diameter of the tube or barrel, except that portion of the barrel, at the extreme upper end, which is drawn in, as at *d*, so as to just fit the smallest diameter of the rod and act as a stop to the shoulder *c* of the rod. The object of the shoulder *c* and stop *d* is to prevent a separation of the rod from the barrel when the rod is drawn up for the purpose of producing a blow upon the pick. The reduction of the diameter of the rod above the shoulder also avoids friction and insures a more ready and sudden descent of the hammer or rod. The shoulder portion *c*, with the stop *d* of the pipe or barrel, guides the rod in a true manner.

The implement is placed upon a piece of ice, as illustrated in Fig. 1. Then its weighted rod or hammer portion is drawn out, as also illustrated, and while the tube is held by one hand the hammer is thrown down against the bottom of the tube with the other hand. The hammer, of course, is moved back and forth with rapidity until the ice is split into pieces.

Under some circumstances it may be desirable to operate the hammer by plunging the pick into the ice and drawing it out in a rapid and forcible manner.

My implement enables me to act centrally with the weight upon the pick. It also affords great convenience to the person handling it. The construction is simple and cheap, and not of a character which will soon get out of order.

What I claim as my invention, and desire to secure by Letters Patent, is—

The pick iron or steel point formed on the tube which is held in the hand, in combination with the solid metal rod fitted within the tube so as to work up and down therein and act as a hammer upon the pick, all substantially in the manner and for the purpose described.

E. G. BURNHAM.

Witnesses:

C. T. SAFFORD,
CHAS. BELKNAP.