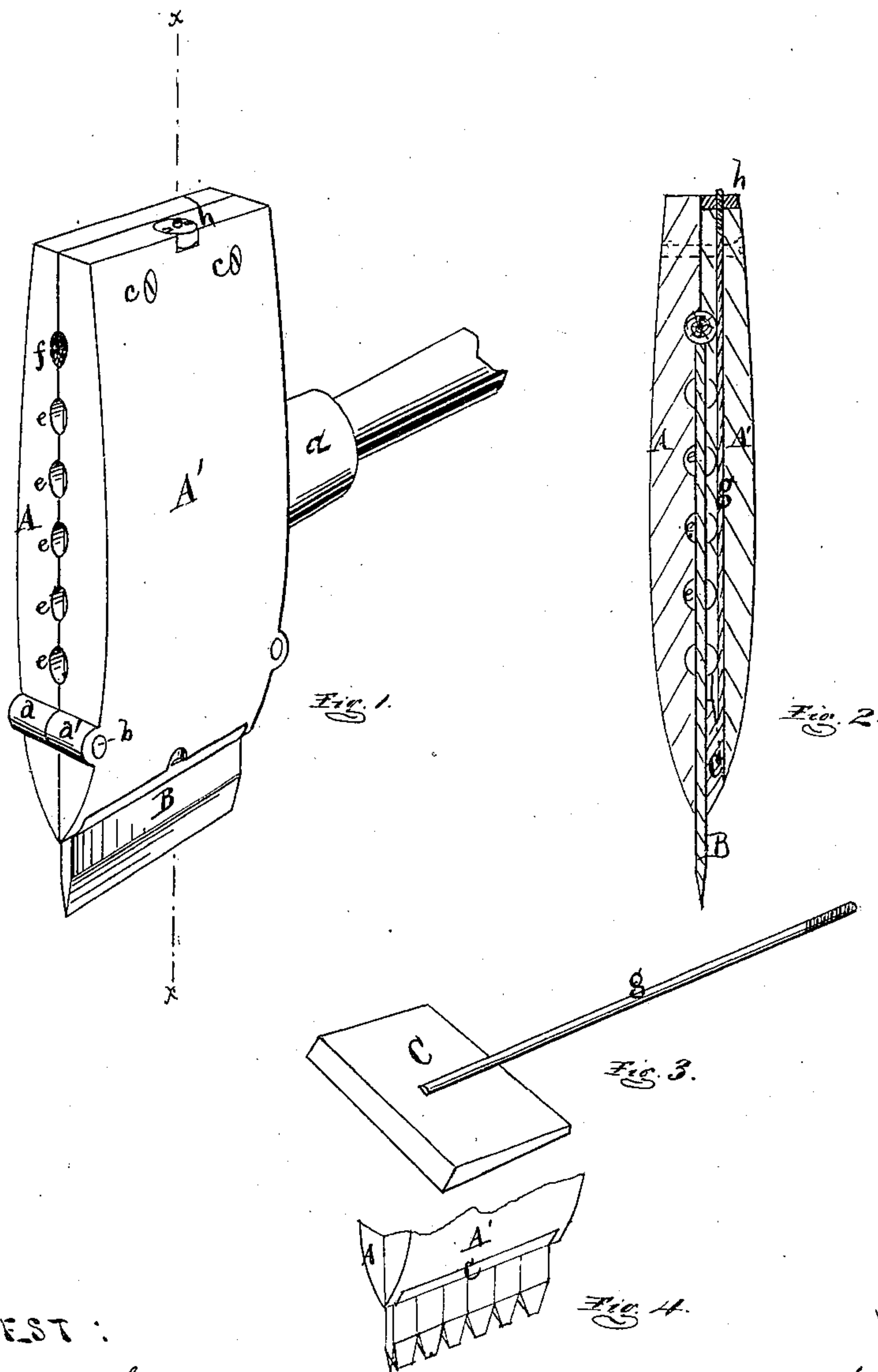


W. C. PECKHAM.

Improvement in Stone-Axes.

No. 132,540.

Patented Oct. 29, 1872.



ATTEST :

H. F. Everts.
N. S. Sprague

INVENTOR:

W. C. Peckham
per Attorney
Thos. S. Sprague.

UNITED STATES PATENT OFFICE.

WILLIAM C. PECKHAM, OF TROY, OHIO.

IMPROVEMENT IN STONE-AXES.

Specification forming part of Letters Patent No. 132,540, dated October 29, 1872.

To all whom it may concern:

Be it known that I, W. C. PECKHAM, of Troy, in the county of Miami and State of Ohio, have invented a new and useful Improvement in Stone-Axes; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my improved stone-ax; Fig. 2 is a cross-section at *x x*, Fig. 1; Fig. 3 is a detached perspective view of the wedge; and Fig. 4 is a modification, showing sectional bits.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improvement in the construction of stone-axes of that class which have movable cutting-bits, which may be replaced when worn at a small cost. This invention consists in the combination of an ax-head formed in two parts, and having a pin and bit, with a wedge and screw for tightening the bit in place, all as more fully hereinafter set forth.

In the drawing, *A A'* represent the head of a stone-ax cast in two sections, longitudinally divided. Each section is provided with two or more lugs, *a a*, at the edges, by means of which they may be secured together by bolts or rivets *b* passing through the lugs. The heads of the sections are secured together by countersunk screws *c* tapped into them. Each section is also cast with one-half of a handle-socket, *d*, in which is to be inserted a wooden handle. Each section is formed with a series of transverse semi-cylindrical recesses, *e*, on its inner face, coinciding with similar recesses on the other section, making a series of transverse open-

ings for the reception of a steel pin, *f*. Through all the recesses and down through the points of the sections a flat recess is halved in them, in which to insert a flat and thin steel bit, *B*, whose head abuts against the pin *f*, while its point is ground to an ax-edge, as shown. In the lower part or throat of the section *A'*, which is enlarged for the purpose, there is inserted a metallic wedge, *C*, having a rod, *g*, extending in a groove to the head of said section, where it is threaded to receive a screw-nut, *h*, which draws up the wedge into the throat and compresses the bit against the section *A*, and thus avoids the destructive effects of a jar at each blow of the ax on the stone.

When the bit wears and is ground away, the wedge may be loosened and the bit advanced beyond the next hole in which the pin is moved into, and the wedge drawn up again to secure the bit firmly in position. The bit being of thin bar or plate steel, is inexpensive, easily kept sharp, and readily adjusted, and costs but a trifle compared with an ordinary solid stone-ax, which must be thrown aside when worn out. If preferred, the solid bit may be replaced by a series of narrow bits with their ends beveled and sharpened, as seen in Fig. 4, they being placed and held in the head in the same manner as the single bit.

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

In combination with the sectional heads *A A'*, pin *f*, and bit *B*, constructed as described, the wedge *C*, rod *g*, and nut *h*, as and for the purpose set forth.

WILLIAM C. PECKHAM.

Witnesses:

JNO. W. RILEY,
ALMANZA PECKHAM.