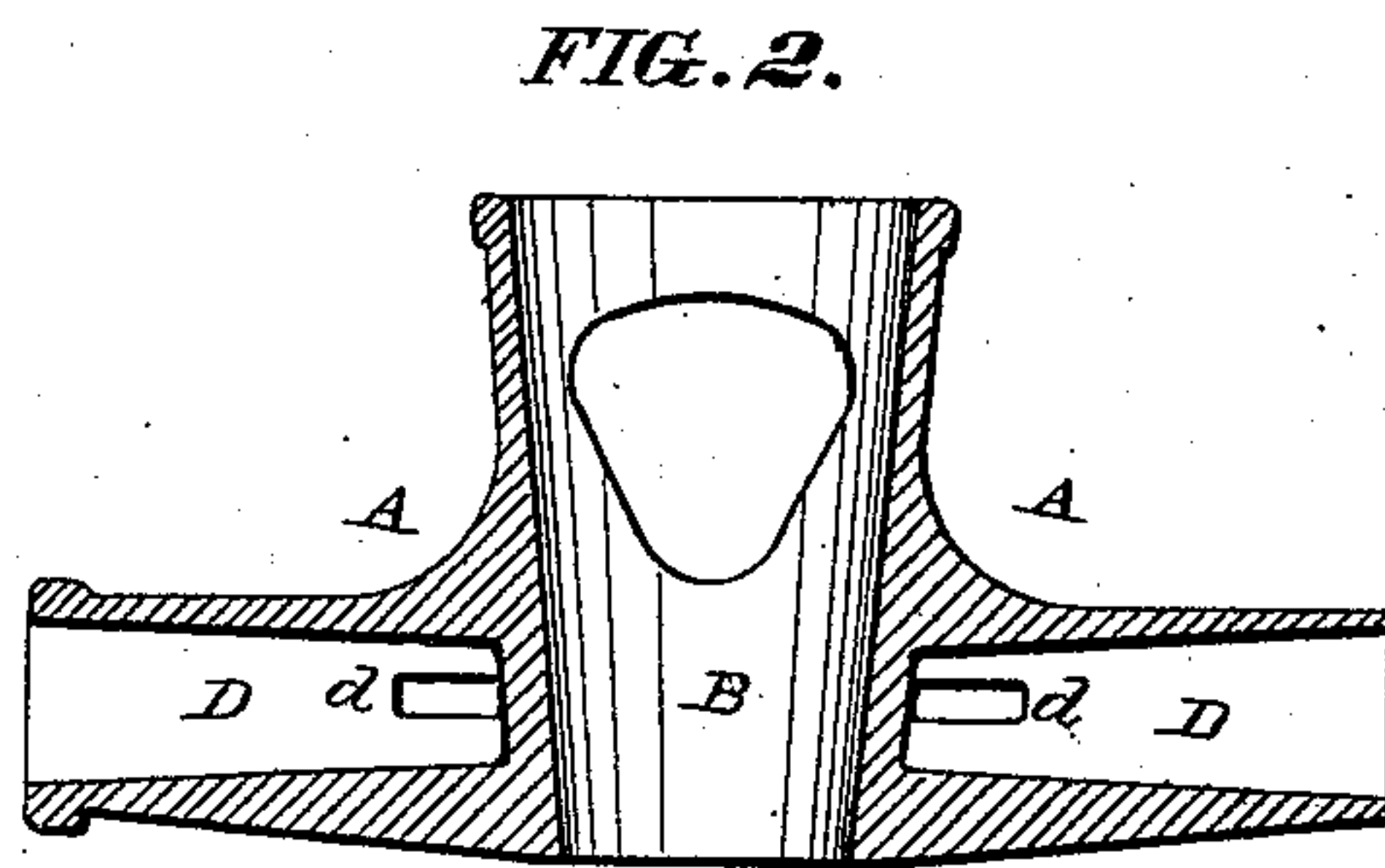
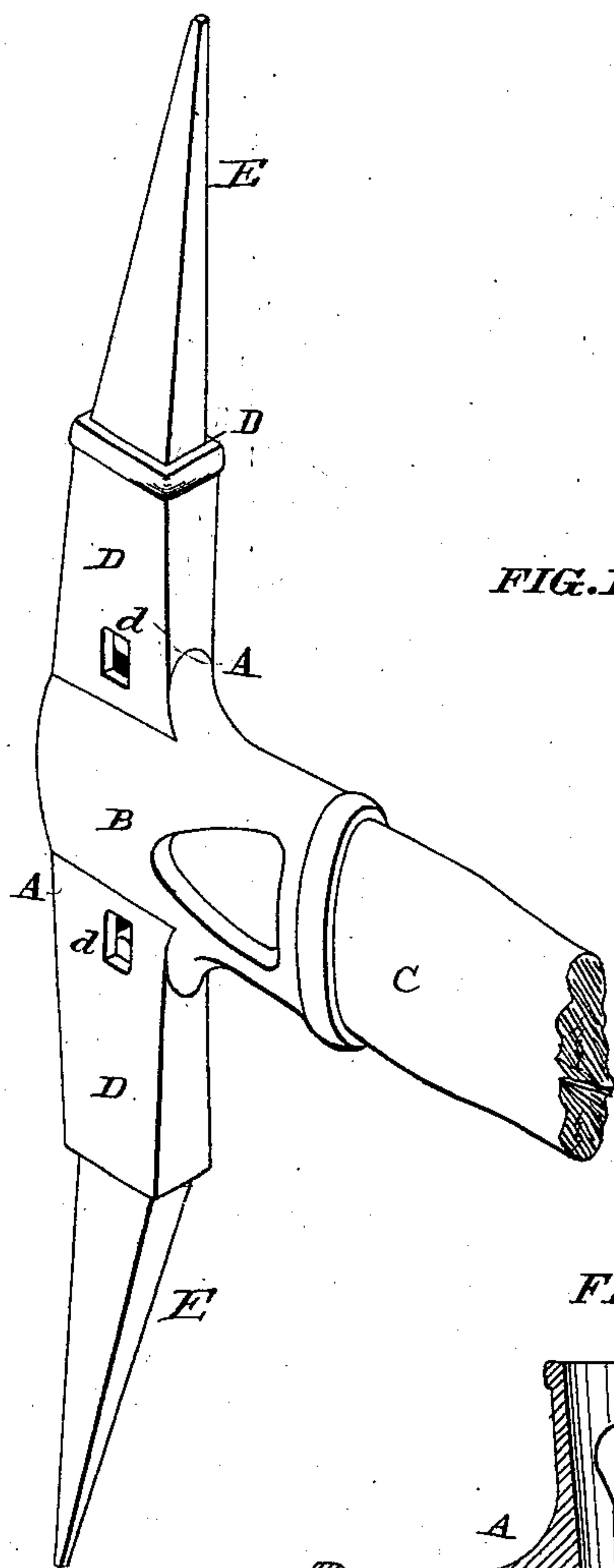


J. L. WOOLLEY,
Pick.

No. 197,443.

Patented Nov. 20, 1877.



ATTEST:

Robert Burns.
Atty.

INVENTOR:

John L. Woolley
per Knights Bros
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UNITED STATES PATENT OFFICE.

JOHN L. WOOLLEY, OF BOULDER, COLORADO.

IMPROVEMENT IN PICKS.

Specification forming part of Letters Patent No. **197,443**, dated November 20, 1877; application filed February 17, 1877.

To all whom it may concern:

Be it known that I, JOHN L. WOOLLEY, of Boulder, in the county of Boulder and State of Colorado, have invented certain Improvements in Picks, of which the following is a specification:

My improvement consists in combining, with a wrought or cast iron socket piece or head, having rectangular sockets for the pick-points, pick-points beveled on one side and reversible on their axes, as hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of my improved pick. Fig. 2 is a section of the pick-head.

A is a socket-piece, having an eye, B, for the reception of a pick-handle, C. D are point-sockets, of rectangular form, for the reception of the points E, which are beveled on one side and reversible on their axes. *d* are keyways, through which a key may be driven to dislodge the pick-point from its socket when it is desired to change the position of the point.

By the construction of the pick-point as shown, it is evident that the position of the point can be easily changed so as to suit the work being performed, and that the point works tight with use.

My device is preferably formed of cast-steel, so as to be cheap and durable.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

The combination, with the socket piece or head A, having eye B and rectangular sockets D, of the pick-points E, beveled on one side and reversible on their axes, as and for the purpose set forth.

JOHN L. WOOLLEY.

Witnesses:

A. M. ROUSE,
H. M. RUSSELL.