

W. L. COUSLAND.

PICK.

No. 174,201.

Patented Feb. 29, 1876.

Fig. 1.

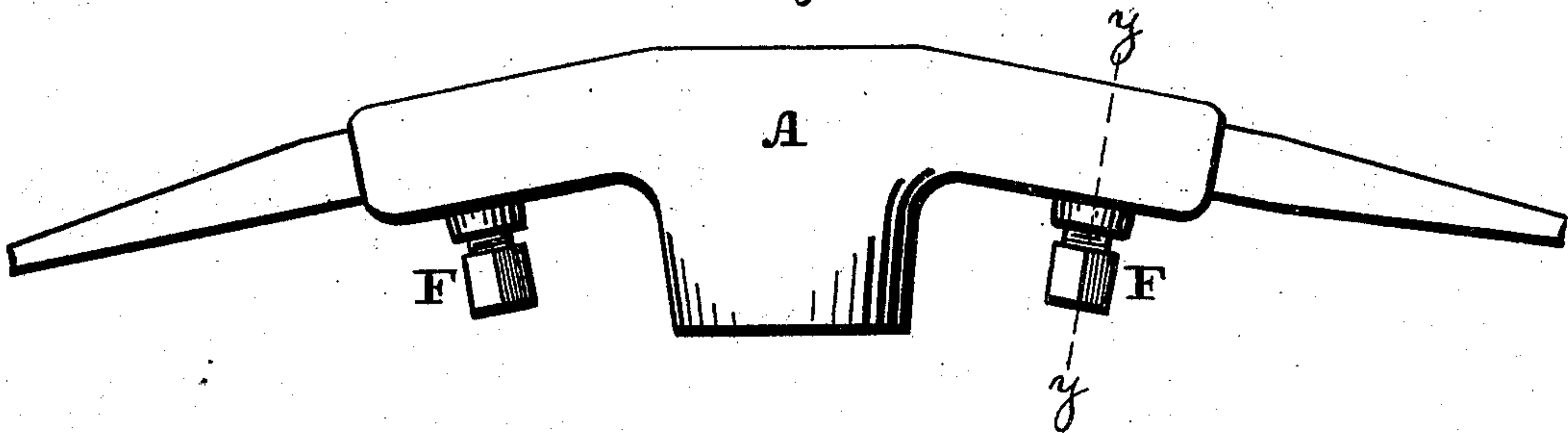


Fig. 2.

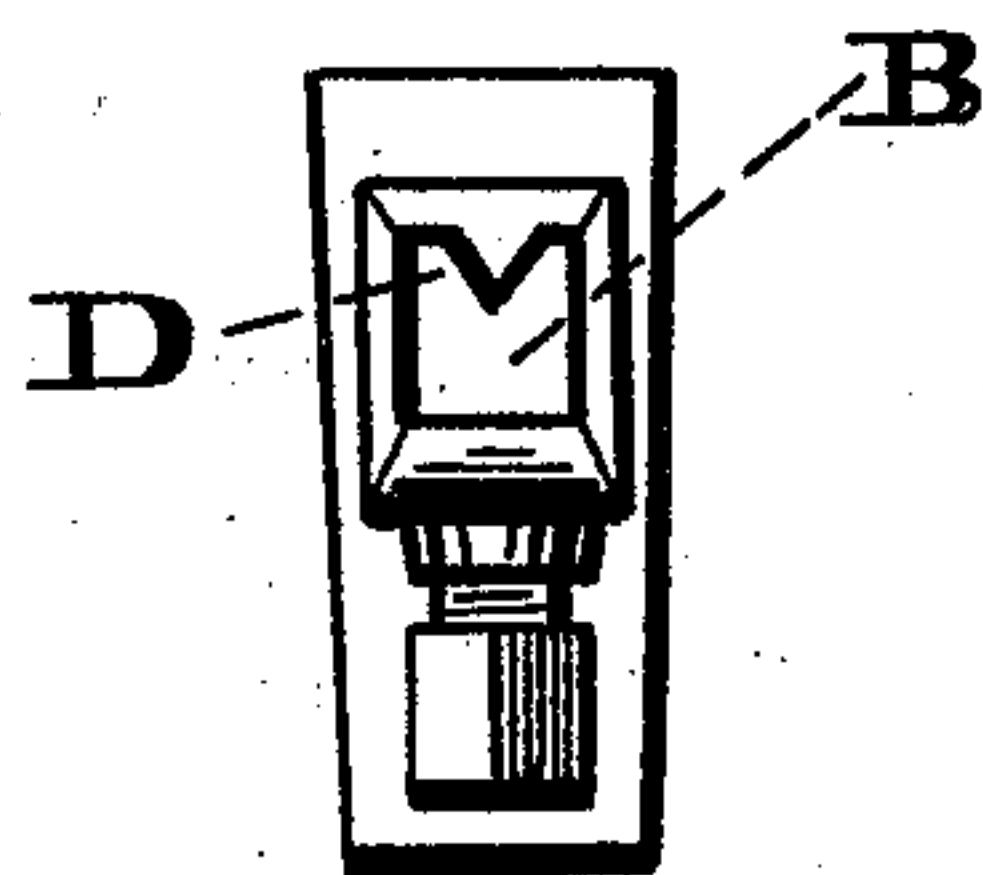


Fig. 3.

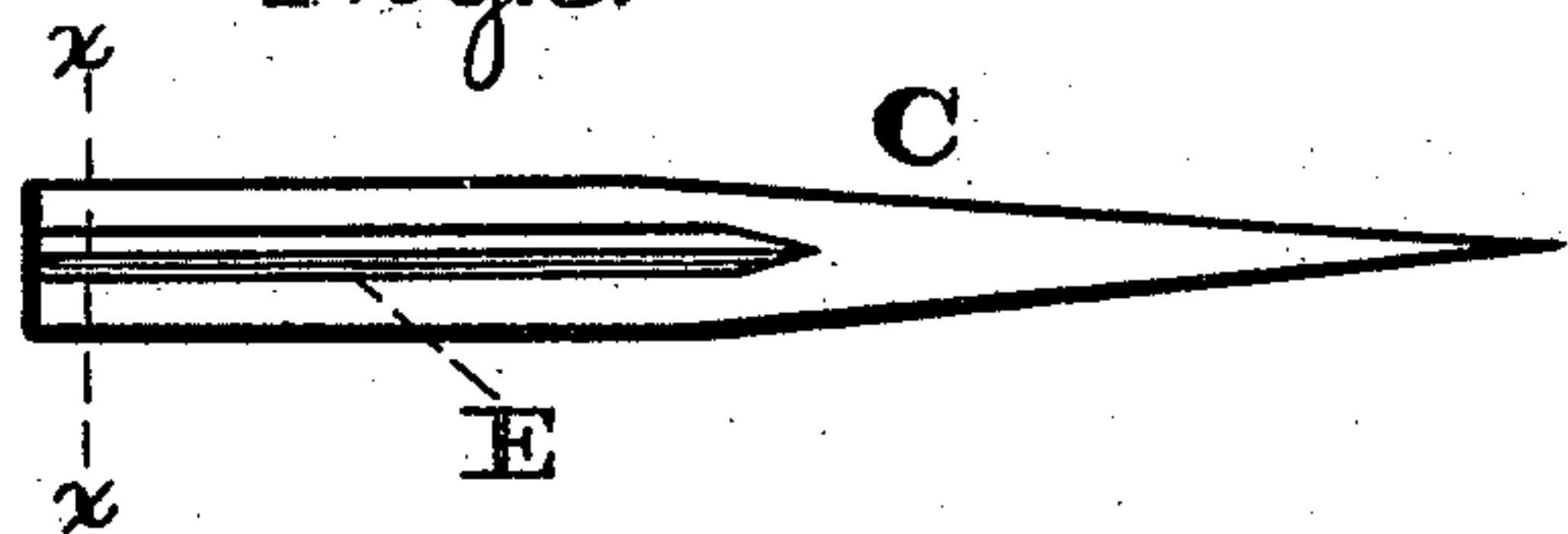


Fig. 5.

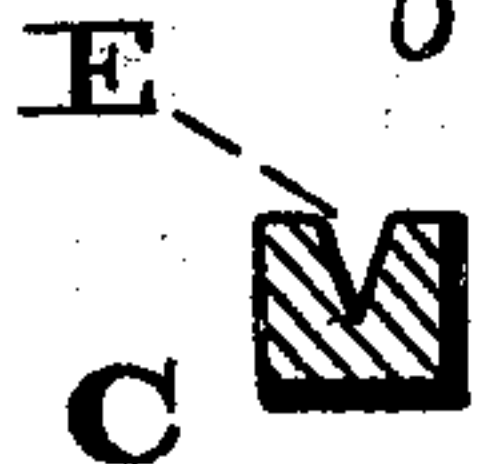


Fig. 4.

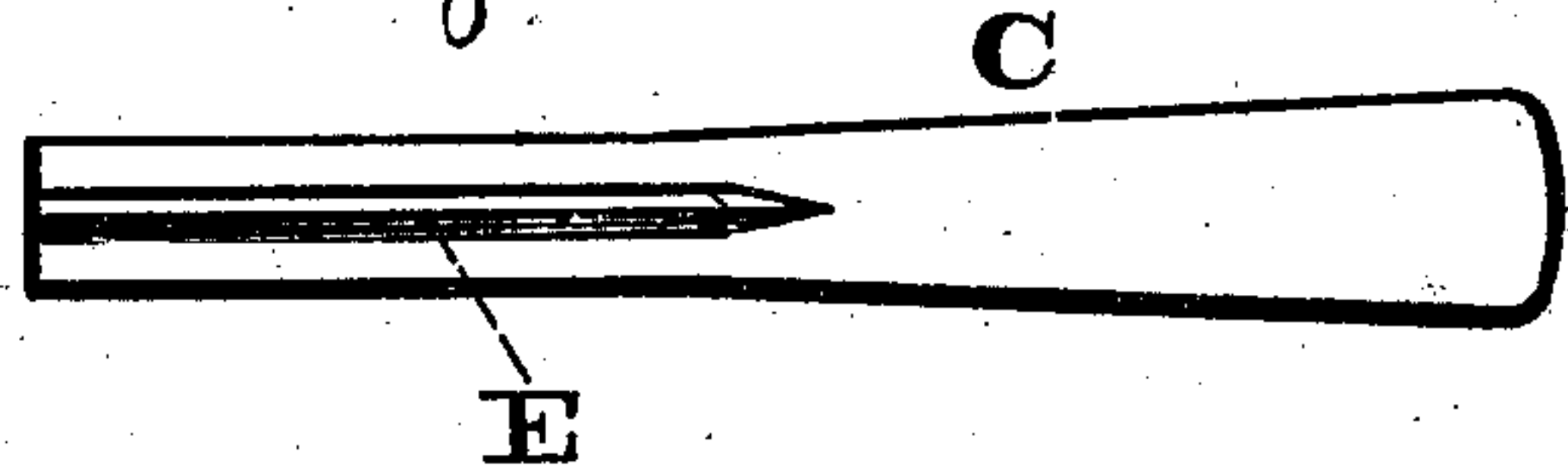
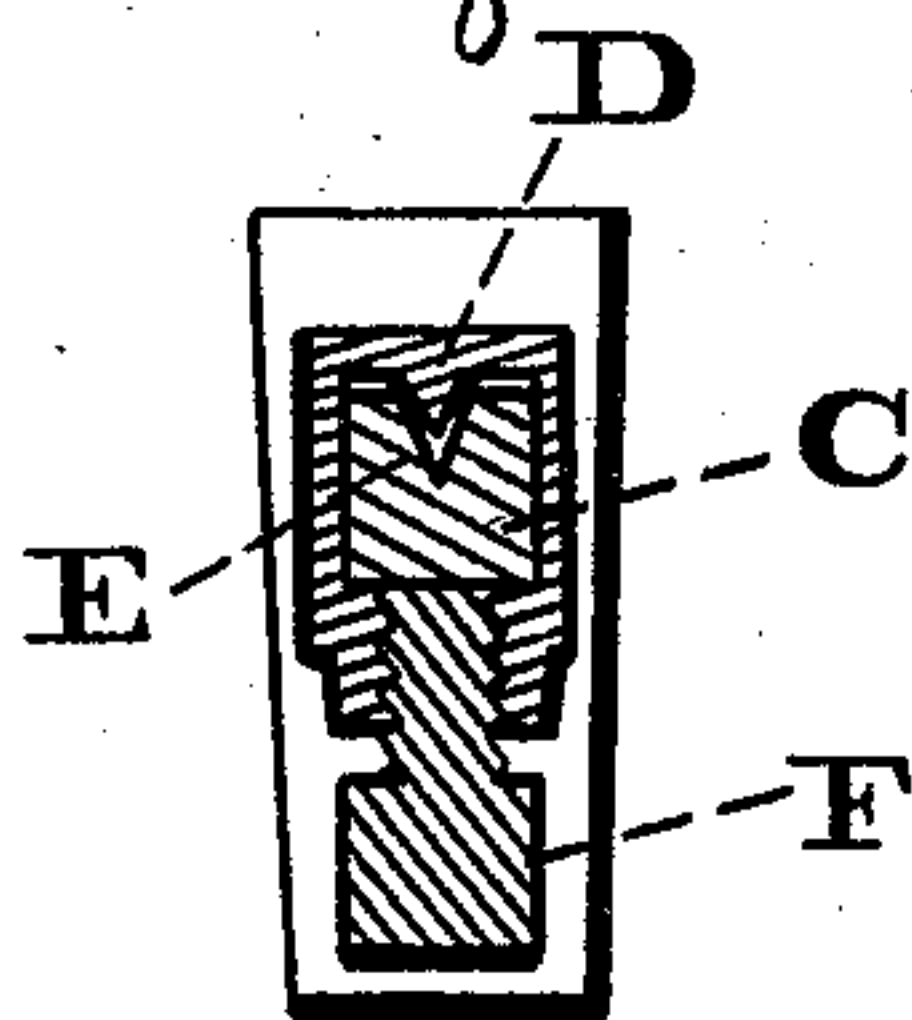


Fig. 6.



Witnesses:  
Lewis F. Brown,  
Ab. P. Grant.

Inventor:  
W. L. Cousland,  
by *John D. Decker*  
Att'y.

# UNITED STATES PATENT OFFICE.

WILLIAM L. COUSLAND, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO JAMES V. LAFFERTY AND WILLIAM COUSLAND, (AGENT FOR E. A. LEADBEATER.)

## IMPROVEMENT IN PICKS.

Specification forming part of Letters Patent No. 174,201, dated February 29, 1876; application filed January 26, 1876.

*To whom it may concern:*

Be it known that I, WILLIAM L. COUSLAND, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Picks; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view of the pick embodying my invention. Fig. 2 is an end view thereof. Figs. 3 and 4 are views of bits of the pick. Fig. 5 is a sectional view thereof in line *x x*, Fig. 3. Fig. 6 is a transverse section in line *y y*, Fig. 1.

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

My invention consists of a pick whose head is formed with a socket or sockets for the reception of detachable bits, the bits and socket being firmly held by wedging-joints.

Referring to the drawings, A represents the head of the pick, in the end or ends of which is a socket, B, for the reception of bits C, which may be of various forms. On the inner face of the socket there is an inwardly-projecting wedge-shaped tongue, D, and on the face of the bit there is a V or wedge-shaped groove, E, or vice versa, the location of the tongue and bit being such that when the bit is fitted in the socket the tongue will enter the groove.

In order to hold the bit in the socket and force the tongue and groove firmly in contact, I employ a set-screw, F, which is fitted in the wall of the socket and bears and tightens against the bit on the side opposite to the tongue and groove.

The tongue will be formed wider than the groove, and the groove deeper than the tongue, so that when the screw is tightened the tongue and groove will wedge against each other, and the bight thus occasioned causes the bit to be firmly held in the socket, whereby there will be no loosening, rattling, or unintentional disengagement of the parts, and as the joint wears away the wedging provision will be preserved.

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

1. The pick-head A formed with an end socket, B, whose inner face is formed with a wedge-shaped tongue or groove, substantially as and for the purpose set forth.

2. The pick-head A formed with an end socket, B, and the detachable bit C fitted to the socket by a wedging-joint, and held by means of a set-screw, F, passing through the wall of the socket, substantially as and for the purpose set forth.

W. L. COUSLAND.

Witnesses:

JOHN A. WIEDERSHEIM,  
A. P. GRANT.