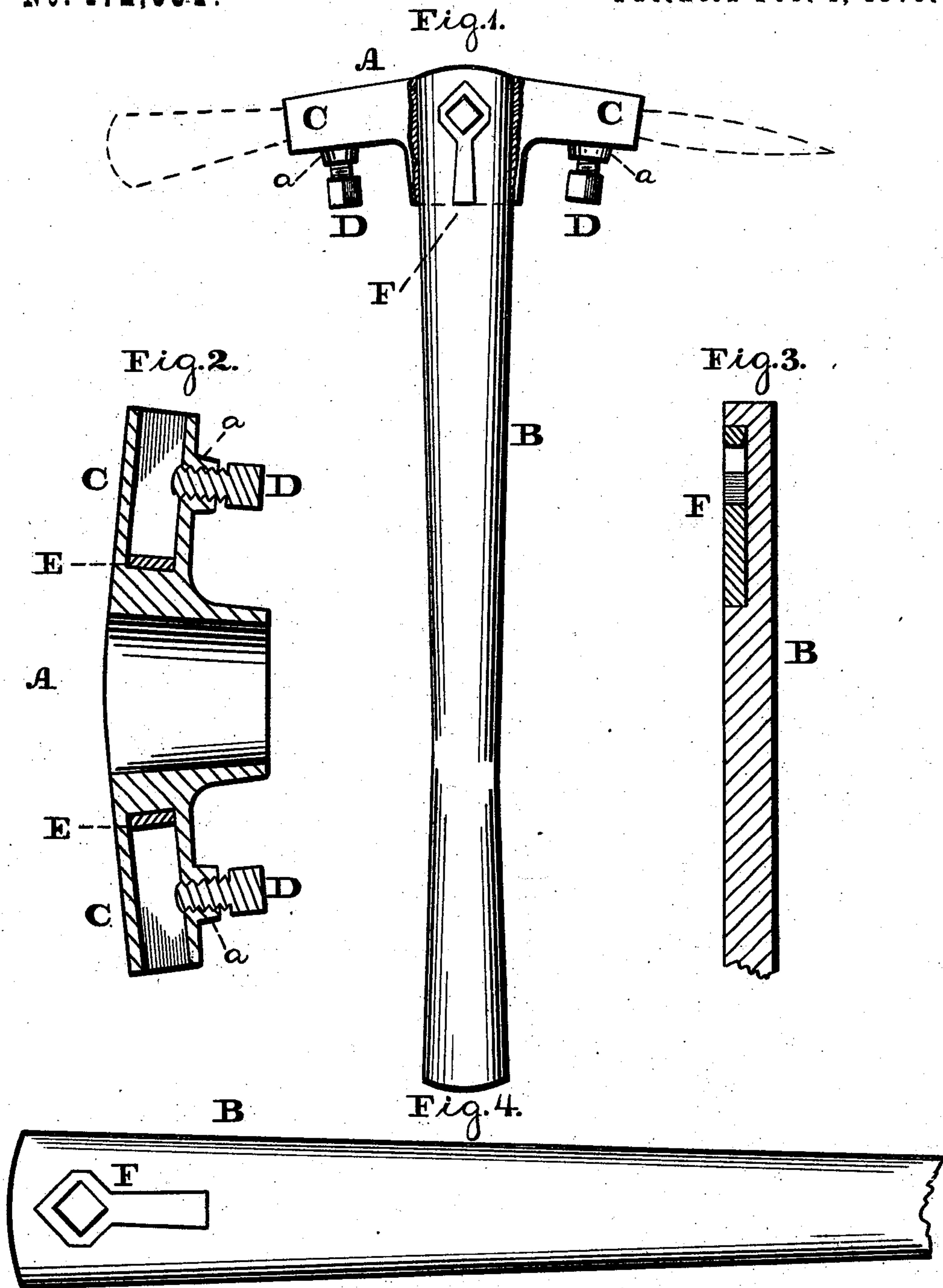


J. T. FEWKES.
PICK.

No. 172,984.

Patented Feb. 1, 1876.



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

Inventor:
J. T. Fewkes
by *John A. Diederichsen*
att'y.

UNITED STATES PATENT OFFICE

JOSEPH T. FEWKES, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO JAMES V. LAFFERTY; AND SAID LAFFERTY ASSIGNOR OF ONE-THIRD HIS RIGHT TO WILLIAM L. COUSLAND, AND ONE-THIRD TO WILLIAM COUSLAND, AGENT FOR E. A. LEADBEATER, OF SAME PLACE.

IMPROVEMENT IN PICKS.

Specification forming part of Letters Patent No. **172,984**, dated February 1, 1876; application filed December 15, 1875.

To all whom it may concern:

Be it known that I, JOSEPH T. FEWKES, 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 a part of this specification, in which—

Figure 1 is a side view, partly broken away, of the implement embodying my invention. Fig. 2 is a central longitudinal section of the head of the pick. Fig. 3 is a central transverse section of a portion of the handle. Fig. 4 is a side view of a portion of the handle.

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

My invention consists of a pick constructed of a head having sockets for the reception of bits, and set-screws for holding the same in position, in combination with a handle, having a wrench fitted thereto for conveniently operating the set-screws.

Referring to the drawings, A represents the head of the pick, and B the handle thereof. With the eye portion of the head there are formed the bit-sockets C, which project in opposite directions therefrom, and on the lower sides of said sockets there are bosses *a*, in which are fitted set-screws D.

In the bosses of the sockets C there are placed pieces E of soft metal, which constitute cushions, against which the inner ends of the bits will come in contact. When the bits are properly located the screws D are tightened, and the former are securely held, the cushions preventing fracture to the bases of the sockets and inner ends of the bits.

It will be seen that bits of various kinds may be readily applied to and removed from

the head A, and the screws D form simple and convenient means of securing and releasing the bits. The bosses *a* provide large surfaces for the set-screws, so as to strengthen their hold and steady them during rotation.

A portion of the upper end of the handle B is removed, and in the space thus formed there is fitted and secured a wrench, F, which sets flush with the surface of the handle.

When the handle is in position in the eye of the head, the wrench is concealed thereby, and does not interfere with the hold of the handle, but when the set-screws D are tightened or loosened, the handle B will be readily removed from the head by a few blows, as is well known, and the wrench is immediately presented for service, the handle B affording convenient means of operating the wrench and providing long leverage therefor.

When the wrench has accomplished its work, or is not required, the handle B will be restored to its place in the eye of the head and tightened therein.

It will now be seen that the jaws of the wrench are covered by the adjacent wall of the eye of the head, whereby dirt will be prevented from filling said jaws, the wrench cannot fall out and be lost, and the miner or other operator has a wrench within convenient reach, thus avoiding the necessity of carrying or having a separate tool.

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

The pick-head A, having sockets C and set-screws D, in combination with the handle B, having a wrench, F, fitted thereto in the eye of the head, substantially as and for the purpose set forth.

JOS. T. FEWKES.

Witnesses:

JOHN A. WIEDERSHEIM,
H. E. HINDMARSH.