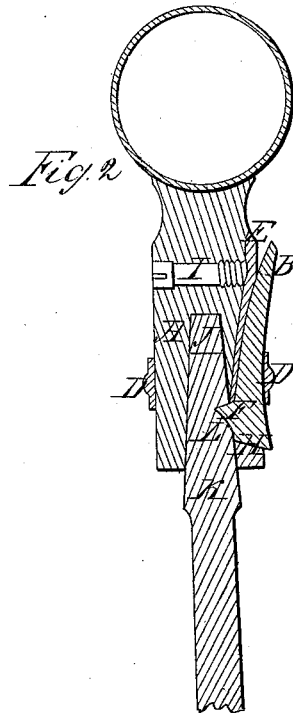
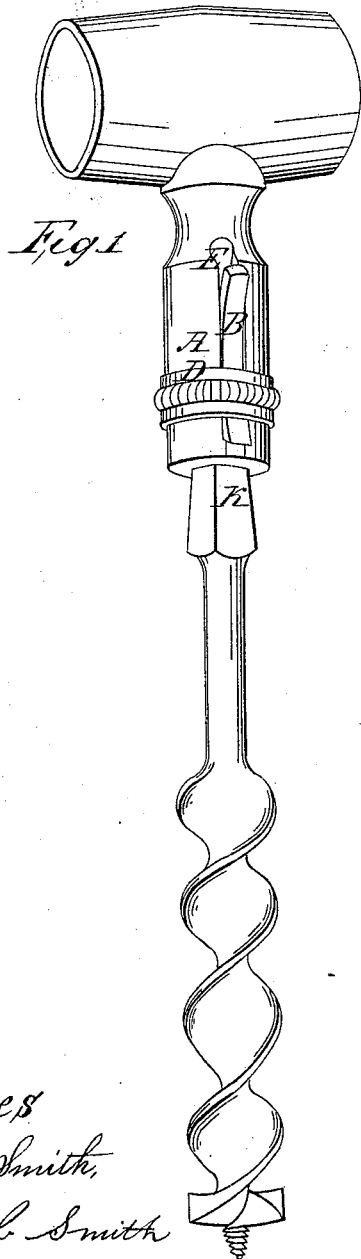


*C. F. Hunter,  
Bit Stock.*

*No. 40,412.*

*Patented Oct. 27, 1863.*



*Witnesses  
Francis Smith,  
Daniel C. Smith*

*Inventor  
C. F. Hunter*

# UNITED STATES PATENT OFFICE.

C. F. HUNTER, OF ADRIAN, MICHIGAN.

IMPROVEMENT IN DEVICES FOR HOLDING BITS IN THEIR SOCKETS.

Specification forming part of Letters Patent No. **40,412**, dated October 27, 1863.

*To all whom it may concern:*

Be it known that I, C. F. HUNTER, of Adrian, in the county of Lenawee and State of Michigan, have invented a new and useful Improvement in that class of tools used for holding boring-tools; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, of which—

Figure 1 of the accompanying drawings is a perspective view exhibiting its several parts—viz: Socket A, dog B, slot E, ring D, and bit K. Fig. 2 exhibits an internal view of the same for the purpose of showing parts that cannot be seen in Fig. 1—viz: Set-screw I, catch F, tapering hole J, notch L, and inclined planes G and H.

I will describe the construction and operation of my socket, as follows: The socket A has a square tapering hole (marked J) in its center, and a slot E in its side, in which the dog B is fitted, with a cylindrical ring, D, surrounding the whole, said ring being free to slide back and forth on the socket A. The dog B has a catch, F, with its inclined planes

G and H. The set-screw I is to regulate the motion of dog B. When a person wishes to insert a bit in the socket he slides the ring D up to the position of the set-screw I, (seen in Fig. 2,) which in turn depresses the upper end of dog B until it strikes set-screw I, which raises the lower end of dog B sufficient to allow the bit K to be inserted in the hole J, past the catch F. Then, when the bit K has been inserted into the socket, he slides the ring D from the position of the set-screw I to its position seen in Figs. 1 and 2, which presses catch F into the notch L. (Seen in bit K.) The inclined planes G and H at the same time draw bit K tight up into the hole J.

After having described my invention, what I claim, and desire to secure by Letters Patent, is—

A socket for holding boring tools, constructed to operate with a sliding ring working in combination with a dog, as described, said dog having inclined planes, as above described and set forth.

C. F. HUNTER.

Witnesses:

FRANCES SMITH,  
DANIEL C. SMITH.