H. H. W. Wright.

Hammer.

No. 75615 Patented Mar. 17, 1868

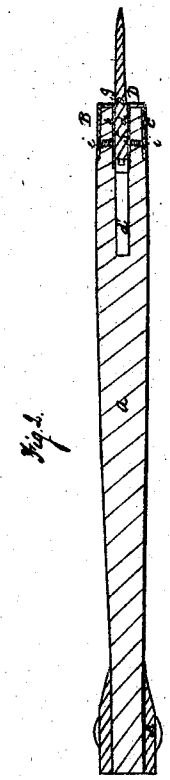

Fig. 1.

Fig. 4.

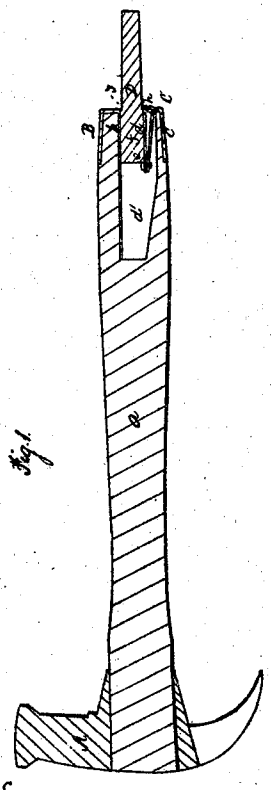

Fig. 1.

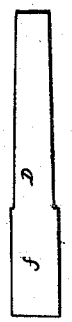

Fig. 3.

Witnesses.
G. H. Andrews
Samuel A. Piper

Horace H. W. Wright
by his attorney.
R. H. Eddy

United States Patent Office.

HORACE H. W. WRIGHT, OF SOUTH BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF, JAMES MORSE, RICHARD S. JENNESS, AND ALBERT PICKERNELL, OF SAME PLACE.

Letters Patent No. 75,615, *dated March* 17, 1868.

IMPROVEMENT IN HAMMERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, HORACE H. W. WRIGHT, of South Boston, in the county of Suffolk, and State of Massachusetts, have made a new and useful invention, having reference to Hammers and Screw-Drivers; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figures 1 and 2 are longitudinal sections of a hammer provided with my invention, such section being taken in planes at right angles with each other.

In such drawings, A denotes a hammer, of which *a* is the handle, whose end is capped by a metallic socketed ferrule, B, or, in other words, a socketed block, *b*, arranged within and combined with a thimble, *c*. The socket *d*, in the block *b*, is prismatic in form, it being rectangular in transverse section, and provided with a shoulder, *e*, arranged in it, in manner as represented in fig. 1. There is applied to the block *b*, and so as to project through and beyond the head of the thimble *c*, a spring-latch, C, formed as shown in fig. 1. Furthermore, there is within the handle *a* an extension, *d'*, of the socket *d*, such being to receive the blade of a screw-driver, D. The said screw-driver, shown in edge view in Figure 4, and in side view in Figure 3, is constructed with a prismatic shank, *f*, to fit the socket *d*, such shank being larger in transverse section than that of the blade of the screw-driver; that is, the shank at its junction with the blade terminates in a shoulder, *g*. The length of the shank corresponds with the distance between the shoulder *e* and the projection *h* of the latch C. The handle *a*, inserted in the ferrule or thimble B, is recessed to receive and fit closely to the block *b*, the ferrule being fixed firmly on the handle, and fastened thereto by screws *i i*, (see fig. 2.)

With the handle and its socketed ferrule, spring-latch, and screw-driver, made as specified, the screw-driver may be fixed either end foremost in the socket, the same being so that the blade may either extend from the ferrule, or be reversed, and be inserted in the socket *d'* of the handle.

When a screw-driver is thus combined with a hammer, the head of the hammer, when grasped in the hand, will afford a strong leverage for bringing the screw-driver into action upon and so as to revolve a screw, whether to remove it from or to drive it into an article.

Having thus described my combined hammer and screw-driver, what I claim therein is as follows:

I claim a reversible screw-driver, with shoulders, secured by a spring, in a socket, in the end of a hammer-handle, constructed and arranged substantially as described.

HORACE H. W. WRIGHT.

Witnesses:

R. H. EDDY,

SAMUEL N. PIPER.