No. 630,073. Patented Aug. 1, 1899.

W. H. RIFFEL.

HANDLE FOR IMPLEMENTS.

(Application filed Oct. 3, 1898.)

(No Model.)

Fig. 1.

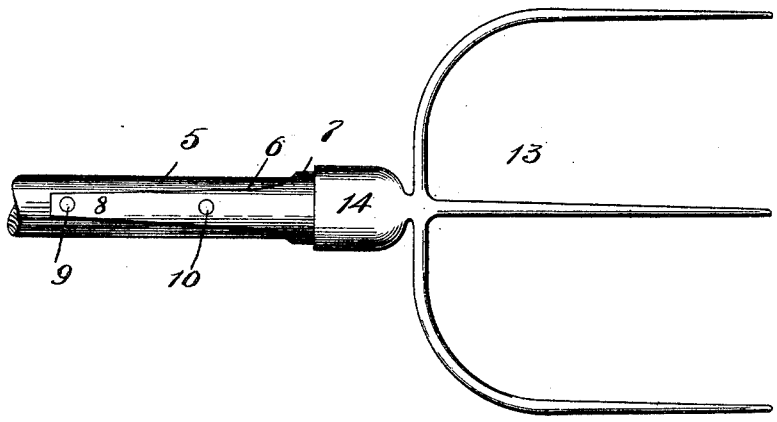


Fig. 2.

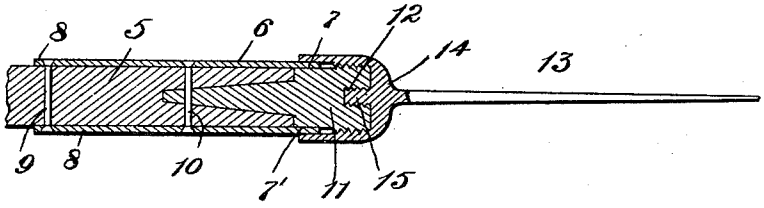
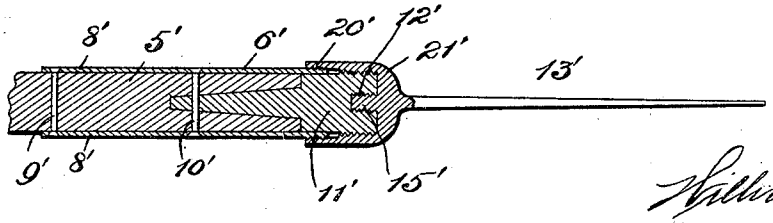


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. RIFFEL, OF HEROLD, WEST VIRGINIA.

HANDLE FOR IMPLEMENTS.

SPECIFICATION forming part of Letters Patent No. 630,073, dated August 1, 1899.

Application filed October 3, 1898. Serial No. 692,567. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. RIFFEL, a citizen of the United States, residing at Herold, in the county of Braxton, State of West Virginia, have invented certain new and useful Improvements in Handles for Implements; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to earthworking implements in general, and more particularly to the handles thereof, and has for its object to provide such a device in which the handle may be readily applied to or removed from the implement, as may be desired.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a plan view showing a fork constructed in accordance with my invention. Fig. 2 is a longitudinal section of the fork and handle thereof. Fig. 3 shows a modification.

Referring now to the drawings, in operating in accordance with my invention I employ the usual stick 5, upon which is arranged a ferrule 6, which latter is placed upon the end of the stick or handle proper and comprises an encircling band 7 and two tapering legs 8, extending longitudinally of the handle. The ferrule is secured in place upon the handle by means of rivets 9 and 10 passing through the handle. The band 7 extends slightly beyond the end of the handle 5, and the resultant socket 7′ has a narrowed tapered extension formed in the end of the handle. In this socket is seated an intermediate piece 11, having a screw-threaded recess 12 and held in place by means of a rivet 10 passed laterally through the handle 5, the extension 8 of the ferrule, and the narrowed portion of the socket. Coöperating with the construction thus described is a fork 13, having a socket 14 at its base, within which socket and centrally thereof is a screw-threaded pin or projection 15, adapted to engage the threads of the recess 12 of the intermediate piece 11. The interior surface of the socket 14 may be also screw-threaded, as shown, to engage the threads of the outer surface of the intermediate piece 11 to hold the fork more firmly thereto.

In Fig. 3 the outer surface of the ferrule 20′ is shown as threaded, the socket 14 of the fork extending thereover and in threaded engagement therewith to lock the entire construction firmly together.

It will be readily understood that I may employ my invention in connection with any tool to which it is applicable and that I may form the elements of my construction of any desirable and suitable material without departing from the spirit of my invention.

Having thus described my invention, what I claim is—

1. The combination with a handle proper, of a ferrule secured thereto, an intermediate piece within the handle and secured thereto and to the ferrule, a screw-threaded recess in the intermediate piece, and an implement having a socket adapted to receive the intermediate piece and provided with a screw-threaded pin adapted to engage the threads of the recess of the latter.

2. The combination with a handle proper, of a ferrule secured thereto and extending therebeyond to form a seat, an intermediate piece within the seat, and an implement having a socket adapted to receive the intermediate piece.

3. The combination with a handle proper, of a ferrule secured thereto and projecting therebeyond to form a seat, an intermediate piece within the seat, a threaded recess in said piece, threads upon the exterior of the intermediate piece, and an implement having a socket provided with an interior screw-threaded pin and having threads upon its interior surface whereby said implement may be applied to the handle and the threads thereof engage the corresponding threads of the intermediate piece.

4. The combination with a handle proper, of a ferrule secured thereto and projecting beyond the end thereof to form a seat, said ferrule having also legs extending longitudinally of the handle, a tapering opening in the handle extending from the seat, an intermediate piece within the seat having a tapered extension entering the opening in the handle,

threads upon the outer surface of the intermediate piece, threads upon the ferrule forming a continuation of those of said piece, a central recess in the intermediate piece having threads and an implement provided with a socket threaded internally to receive the intermediate piece and engage the threads thereof and of the ferrule, said socket of the implement having a central threaded projection adapted to enter the recess of the intermediate piece and engage the threads thereof.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. RIFFEL.

Witnesses:
E. L. HAMRIC,
C. E. HAMRIC.