W. E. SEELYE.

COMBINATION TOOL HANDLE.

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Fig. 1.

Fig. 2.

Fig. 3.

W. E. Seelye

Inventor

By C. Adams, Esq.

Attorney
To all whom it may concern:

Be it known that I, William E. Seelye, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented a new and useful Combination Tool-Handle, of which the following is a specification.

The subject of this invention is a handle for tools so constructed that a series of tools, such as a shovel, ax, pick, etc., may be detachably secured to the handle as desired.

The objects of the invention are, first, to provide a handle having an end to which a series of tools may be successively attached: second, to provide a handle the ends of which are formed for the reception of tools of different character; third, to provide a latch for attaching a tool to the handle; fourth, to provide a durable handle; fifth, to provide a simple and efficient structure of the character described.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

A practical embodiment of the invention is shown in the accompanying drawings, wherein:

Figure 1 is a view in elevation, partly in section, of a handle constructed in accordance with my invention.

Figure 2 is a view in elevation of the device showing an ax head in place on the handle.

Figure 3 is a cross section on the line 3—3 of Fig. 1, parts being removed.

Referring to the drawings by numerals: A staff 1 preferably of wood, has a ferrule 2 secured at one end, and in this ferrule and the underlying staff is formed a slot 3. The other end of the staff 1 is bifurcated, as seen most clearly in Fig. 3, to receive the web 4 of the head end of the handle.

The head end of the handle is preferably made of metal and consists of a shank formed with ribs 5 which are connected by the web 4. The shank terminates in a head 6 which is formed along one edge with a slot 7 from the bottom of which slot an opening 8 extends through the head. The head 6 is preferably formed with a boss 9 forming a hammer portion. A bore communicating with the opening 8 is formed in the head 6 and a set screw 10 is threaded into this bore for the purpose of retaining a tool in its place, as seen most clearly in Fig. 3. The head 6 is secured on the staff 1 by means of bolts 11 which pass through aligning apertures formed in the staff 1 and the web 4 and engage curved plates 12 which embrace the outer surface of the staff 1. These bolts may be secured in place in the usual manner or otherwise.

The tool adapted for attachment to a handle of this character is formed with a rib 13 adapted to the slot 7, and from this rib projects a tongue 14 in which is formed a slight depression 15 formed to receive the end of the set screw 10.

When the staff is to be used as the handle for a shovel, as shown in Fig. 1, a hand grip may be attached to the head end. This hand grip has the same form of attachment as that just described for the tool except that there is added a staff encircling band 16, as shown in Figs. 1 and 3, which is formed with the lips 17 in one end of which is pivoted a screw 18 adapted to be swung into an aperture formed in the lip for its reception. A wing nut 19 is provided on the screw 13 for the purpose of damping the parts in position.

The shovel, or like implement, is provided with a sleeve 20 which is formed to receive the ferrule 2, to which it is secured in any suitable manner.

It is thought that the operation of the device will be amply understood from the foregoing description without a special description thereof.

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

1. A combination handle for tools, comprising a staff, a head on the staff provided with a transverse opening, a hand grip, a tongue extending from the hand grip and adapted to enter the transverse opening, and means for locking the tongue within the opening.

2. A combination handle for tools, comprising a staff, a head on the staff having a transverse opening, a hand grip, a tongue on the hand grip adapted to enter the open-
ing, a band on the hand grip adapted to encircle the staff, and means for securing the band about the staff.

3. A combination handle for tools, comprising a staff, a head on the staff provided with an opening, a hand grip, a tongue extending from the hand grip and adapted to enter the opening, and adjustable means for securing the tongue in the opening.

4. A combination handle for tools, comprising a staff, a head on the staff provided with an opening, a hand grip, a tongue extending from the hand grip and adapted to enter the opening, adjustable means for securing the tongue in the opening, a band on the hand grip adapted to encircle the staff, and means for securing the band about the staff.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM E. SEELYE.

Witnesses:
H. E. GRAFFAM,
J. H. CONSTANTINE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."