

(No Model) M. L. WILSON, & W. & P. O. SANDERS.

AUXILIARY SHOVEL OR SPADE HANDLE.

No. 344,890.

Patented July 6, 1886.

Fig. 1.



Fig. 2.

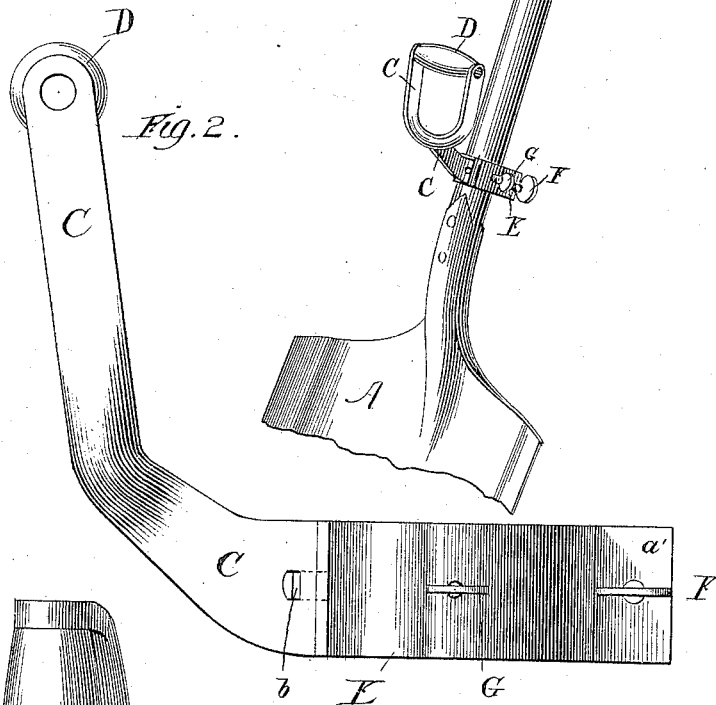
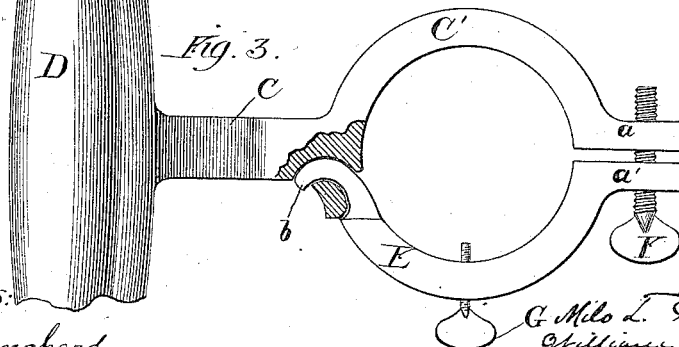


Fig. 3.



Witnesses:
Frank Blanchard
Howard Hallock.

Inventor:
G. Milo L. Wilson
William Sanders
P. Otto Sanders
By *Geo. H. Loebe*
Attorneys.

UNITED STATES PATENT OFFICE.

MILO L. WILSON, WILLIAM SANDERS, AND P. OTTO SANDERS, OF
JEFFERSON, INDIANA.

AUXILIARY SHOVEL OR SPADE HANDLE.

SPECIFICATION forming part of Letters Patent No. 344,890, dated July 6, 1886.

Application filed September 22, 1885. Serial No. 177,811. (No model.)

To all whom it may concern:

Be it known that we, MILO L. WILSON, WILLIAM SANDERS, and P. OTTO SANDERS, citizens of the United States of America, residing at Jefferson, in the county of Pulaski and State of Indiana, have invented certain new and useful Improvements in Auxiliary Shovel and Spade Handles, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to an improvement in shovels, spades, and like implements.

The object of the invention is to provide more convenient means for handling such implements; and to that end it consists in an auxiliary handle therefor of novel construction, as hereinafter described.

Reference will be made to the accompanying drawings, in which Figure 1 is a view in perspective of a shovel, partly broken away, and showing our improved attachment in position; Fig. 2, a view in elevation, on an enlarged scale, of the attachment; and Fig. 3, a plan in detail, and partly broken, of the same.

Like letters refer to like parts in each view.

In the drawings, A represents the blade of the instrument, and B the handle, to which it is secured.

Our invention consists in providing an auxiliary handle of the construction now to be described. This handle consists of a bar, C, bifurcated at its upper end, and carrying a cross-bar, D. Bar C, at the point shown, is bent and ends in a semicircular band, C', such semicircular band being provided upon its outer end with an ear or lug, *a*. At the point where bar C' branches off into the semicircular band C' there is a curved passage or opening formed, into which a hook-shaped arm, *b*, of a semicircular band, E, is inserted, such arm serving as a pivot or hinge, upon which band E is adapted to move. Band E is also provided with an ear or lug, *a'*, similar to the one, *a*, of band C'. Each ear *a* *a'* is provided

with a screw-threaded hole, through which a thumb-screw, F, is passed, means being thus provided for drawing the outer ends of bands C' and E together. At or about its center band E is also provided with a screw-threaded hole, through which a thumb-screw, G, is passed.

In using the device, the position upon handle B being determined, the bands C' and E are placed around such handle and the thumb-screw F operated to draw their ends tightly together. The thumb-screw G is then forced inwardly until it becomes embedded in the wood of the handle B, by which this auxiliary handle is held securely in place.

It will be understood that this auxiliary handle is detachable and may be adjusted to any position upon the handle B.

We are aware that implements of the character described have heretofore been provided with auxiliary handles, said handles being both detachable from and adjustable upon the main handle, and used for the same purpose as ours, and therefore we do not claim, broadly, the use of such an auxiliary handle; nor do we claim the adjustable and detachable features thereof; but

What we claim is—

In an auxiliary implement-handle, the combination, with a bar, C, carrying at one end a cross-piece, D, and at the opposite end formed with a semicircular band, C', of a semicircular band, E, provided at one end with a hook-shaped extension or arm, *b*, and means for locking the parts in position, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

MILO L. WILSON.
WILLIAM SANDERS.
P. OTTO SANDERS.

Witnesses:

M. J. CLAGETT,
FRANK S. BLANCHARD.