

(No Model.)

G. POTTER & H. DANGERFIELD.
TOOL HANDLE.

No. 483,865.

Patented Oct. 4, 1892.

Fig. 1.

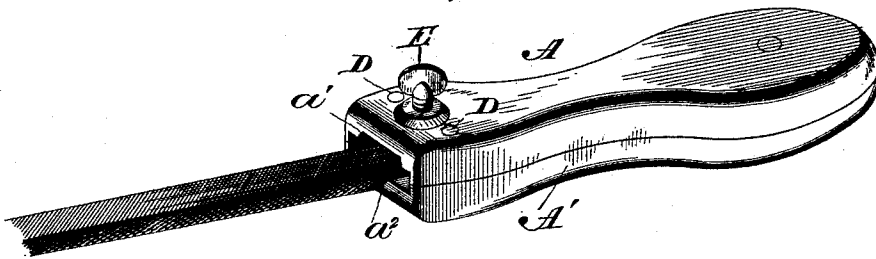
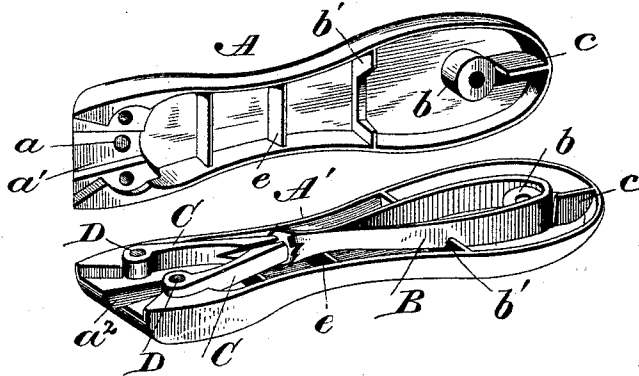


Fig. 2.



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UNITED STATES PATENT OFFICE.

GIDEON POTTER AND HENRY DANGERFIELD, OF OSCEOLA, ILLINOIS.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 483,865, dated October 4, 1892.

Application filed December 30, 1891. Serial No. 416,589. (No model.)

To all whom it may concern:

Be it known that we, GIDEON POTTER and HENRY DANGERFIELD, citizens of the United States of America, residing at Osceola, in the county of Stark and State of Illinois, have invented certain new and useful Improvements in Tool-Handles; and we 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in file or tool handles.

The object of the invention is to provide an improved handle which is adapted to receive different sizes of either flat or triangular files; and the invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a tool-handle or file-holder, showing a file in position. Fig. 2 is a detail perspective view of one of the sections, showing the other section of the handle detached therefrom.

A and A' designate the sections of the handle, which are preferably cast in the shape shown, said sections being somewhat alike, but differ in that the section A has a screw-threaded aperture *a* for the reception of a set-screw, and a recess *a'*, having tapered sides, while the section A' has a V-shaped recess *a''*. The inner side of each section of the handle has corresponding transverse walls and bosses or projections *b*. Adjacent to the boss on each section is a short wall *c*, between which and the boss is left a space to receive the end of a spring B, said spring being made up of a single piece and bent so that the end members will lie opposite each other, the loop portion embracing the bosses *b*. The ends of this spring are flared outwardly, and adjacent to said ends the sides are curved to receive

the shank of the file. The transverse walls *b'* are cut away to provide bearing-surfaces for the side members of the springs and permit the expansion thereof, the curved portions of the spring bearing against the raised walls *e*.

C C designate springs, which are similar in construction and are provided with eyes through which pass the rivets D to firmly fix said springs on the rivets, and the free ends thereof press against each other.

The springs C C bear against the shoulders formed on the sections of the tool-handle, and the spring portions thereof are from said shoulders to the ends. These springs are cut away on their inner faces to better fit on the shank of the tool.

The parts A and A' are adapted to be secured to each other by rivets, and when brought together will provide a tapered opening adapted to receive the shoulders adjacent to the body portion of a flat file. When a triangular file is used with the handle, one of the edges is placed so as to lie in the V-shaped recess, and will thus position a flat surface opposite the set-screw E, which set-screw passes through an aperture *a* in the section A, said set-screw being adapted to abut against the shank of the tool and clamp the same securely in place.

The device is adapted to receive files of different shapes and will hold the shanks of the file securely in position.

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

1. A tool-handle made up of the sections A and A', which are adapted to receive between them the shank of a tool, and a curved spring B, having its terminals flared outwardly, so as to engage with the shank of the tool when inserted in the handle, substantially as shown, and for the purpose set forth.

2. A tool-handle consisting of the sections A and A', one end being adapted to receive a tool, the opposite end being provided with bosses or projections *b*, around which passes a spring, the terminals projecting toward the

open end of the handle, so as to embrace the shank of a tool when inserted in the handle, substantially as shown.

3. A tool-handle made up of sections A and
5 A', one of the sections carrying a set-screw and a recess a' and the other with a V-shaped recess a'' , springs C C, having rearwardly-projecting free ends which are beveled on their inner sides, and a looped or curved spring B,
10 retained between the sections, the free ends thereof being flared and placed so as to lie

adjacent to the terminals of the springs C C, substantially as shown, and for the purpose set forth.

In testimony whereof we affix our signatures 15
in presence of two witnesses.

GIDEON POTTER.
HENRY DANGERFIELD.

Witnesses:

CHARLES M. CARPENTER,
W. E. WHAPLES.