

No. 770,970.

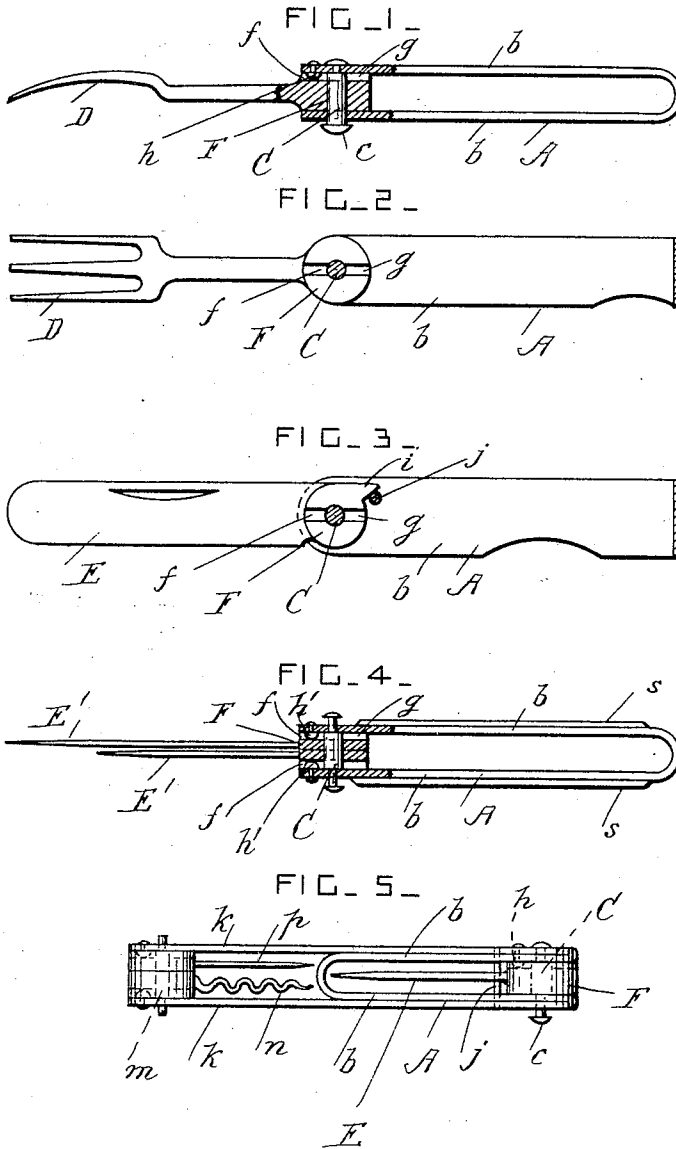
PATENTED SEPT. 27, 1904.

H. O. KEFERSTEIN.

TOOL HANDLE.

APPLICATION FILED JUNE 22, 1904.

NO MODEL.



WITNESSES:

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HANS O. KEFERSTEIN, OF BARBERTON, OHIO.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 770,970, dated September 27, 1904.

Application filed June 22, 1904. Serial No. 213,653. (No model.)

To all whom it may concern:

Be it known that I, HANS O. KEFERSTEIN, residing at Barberton, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Tool-Handles; 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.

This invention relates to handles for tools and instruments, such as pocket-knives, forks, spoons, &c.; and it consists of a loop of resilient material, as hereinafter fully described and claimed, which is provided with suitable stops or catches.

In the drawings, Figure 1 is a side view of a fork provided with a handle according to this invention and partly in section. Fig. 2 is a plan view of the same, showing the handle in section. Fig. 3 is a side view of a knife, showing the handle in section. Fig. 4 is a plan view of a knife with two blades, partly in section. Fig. 5 is a plan view of a handle provided with extension-pieces and having instruments at each end.

A is a loop of steel or other similar resilient material. This loop is formed of a strip of steel bent double and having two parallel side plates *b*.

C is a pivot-pin at the open end of the loop. This pivot-pin is riveted to one of the side plates, and it has a head *c* outside the other side plate, so that the two side plates can be sprung apart to a limited extent.

The tool or instrument, such as a fork D or a knife-blade E, has a disk F, which is pivoted on the pin C. The disk F has slots *f* and *g* or other similar depressions which engage with a projection *h* on one of the side plates, so that the tool or instrument is secured to the handle in its open and in its closed positions. The tool or instrument is moved from one position to the other by the exercise of force sufficient to overcome the strength of the spring side plates. When this handle is applied to a knife or other similar cutting instrument or tool, a radially-projecting stop *i* is preferably formed on the disk F and bears against a stop lug or pin *j* on the

handle when the blade arrives at its open position, so that the blade cannot be opened too far. When the knife is provided with two blades E', each side plate has a similar projection *h'*, and the slots or depressions on the pivot-disks of the blades are formed upon opposite sides, so that they may engage with the said projections.

In the modification shown in Fig. 5 the side plates of the spring-loop are provided with extension-pieces *k*, which are formed by bending the said side plates double. These extension-pieces have a pivot-pin *m* at their free end portions, and *n* is a corkscrew, and *p* is an awl or pick pivoted on the said pin in a manner similar to the knife-blades at the other end of the handle.

The exterior surfaces of the side plates may be ornamented in any approved manner by plating them or by securing to them plates of bone, ivory, or other substances *s* in the manner in which the handles of pocket-knives are usually made and ornamented.

What I claim is—

1. The combination, with a handle formed of a spring-loop, of a pivot-pin having one end portion secured to one of the sides of the loop and having a stop-head on its other end outside the other side of the loop, a tool or instrument having a disk provided with radial slots and pivoted on the said pin, and a projection secured to the said handle for engaging with the said slots.

2. The combination, with a handle formed of a spring-loop and spring extension-pieces formed by bending the end portions of the sides of the loop backward against their main portions so that they extend beyond the closed end of the loop, of tools or instruments pivoted between the main portion of the loop and between its said extension-pieces, and means for retaining the said tools or instruments in prearranged positions.

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

HANS O. KEFERSTEIN.

Witnesses:

FRED. E. WERTZ,
EMANUEL WERTZ.