

H. D. BALL AND E. L. BRADBURY.

KNIFE.

APPLICATION FILED JULY 15, 1920.

1,413,954.

Patented Apr. 25, 1922.

Fig. 1.

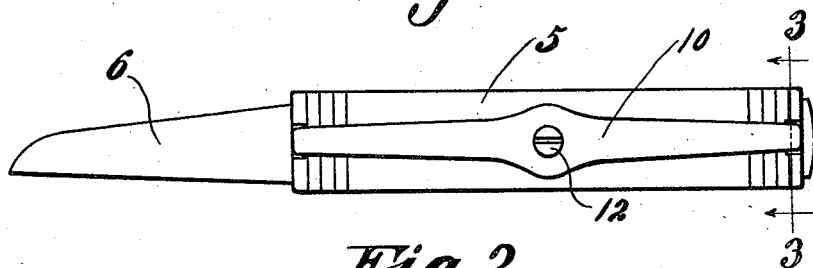


Fig. 2.

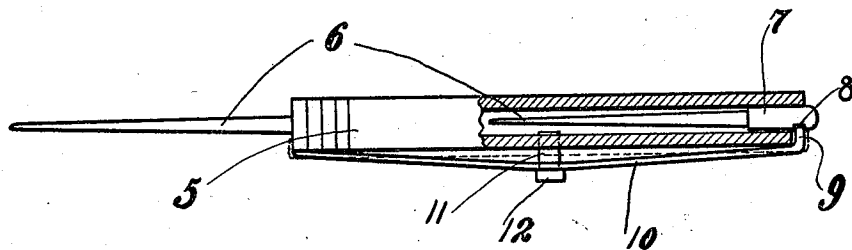
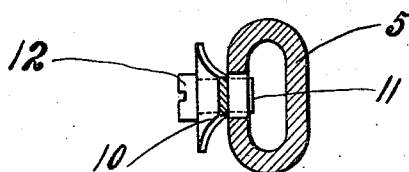


Fig. 3.



HENRY D. BALL
EDWARD L. BRADBURY

Inventors.

Witness

J. R. Tinsley

By

C. A. Knowlton
Attorneys

UNITED STATES PATENT OFFICE.

HENRY D. BALL AND EDWARD LEE BRADBURY, OF CLARKSVILLE, TENNESSEE.

KNIFE.

1,413,954.

Specification of Letters Patent. Patented Apr. 25, 1922.

Application filed July 15, 1920. Serial No. 396,449.

To all whom it may concern:

Be it known that we, HENRY D. BALL and EDWARD L. BRADBURY, citizens of the United States, residing at Clarksville, in the county of Montgomery, State of Tennessee, have invented a new and useful Knife, of which the following is a specification.

This invention relates to knives and more particularly to knives having renewable or interchangeable blades, especially designed for pocket and personal use, operating knives, and knives for general purposes and common use.

A further object of the invention is to provide a knife wherein the blades may be moved to positions within the handle when the same are not in use.

A further object of the invention is to provide a novel means for securing the blades in either their closed or operative positions, the means being such as may be readily and easily operated.

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, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:—

Figure 1 illustrates a side elevational view of a knife constructed in accordance with the present invention.

Figure 2 is a plan view of the same, a portion of the handle being broken away to disclose a blade in its closed position.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Referring to the drawing in detail, the reference character 5 designates the handle portion of the knife which is hollow throughout its length, the side walls thereof being shown as relatively flat, but it is to be understood that the design of the handle may be varied to meet various requirements of use.

The blades indicated by the reference character 6 are formed independently of the knife, each blade having a head indicated at 7, which head is of a size to closely fit within the ends of the handle, in a manner to prevent movement of the blade with re-

lation to the handle, there being provided grooves indicated at 8, extending transversely of the respective heads, which grooves accommodate the right angled ends 9 of the spring securing means 10, to secure the knife blade against movement.

This spring member 10 is of a novel construction, the same being bowed intermediate its ends, the same being provided with a central opening to accommodate the securing screw 11, which has one end thereof embedded in one of the side walls of the handle 5, the head 12 formed at one end thereof contacting with the spring 10 to secure the same to the handle 5.

In the use of the knife, the spring member 10 is forced into engagement with the handle 5, as illustrated in dotted lines in Figure 2 of the drawing, whereupon the right angled ends 9 thereof move out of contact with the heads 7, and the blades may now be moved to either their open or closed positions.

Having thus described the invention, what is claimed as new is:—

In a knife, a hollow handle portion having notches formed adjacent to each end thereof, a securing screw positioned in the handle portion at a point substantially intermediate the ends of the handle portion, said securing screw having a head disposed in spaced relation with the handle portion, a curved spring member having an opening formed intermediate its ends and adapted to accommodate the securing screw to secure the spring member to the handle portion, said spring member having right angled extremities disposed within the notches, blade members having heads, each of said heads having grooves to accommodate the right angled extremities of the curved spring, and said curved spring member having a central portion normally held in spaced relation with the handle to force the right angled portions of the spring member into the grooves.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of three witnesses.

HENRY D. BALL.
EDWARD LEE BRADBURY.

Witnesses:

Q. C. ATKINSON,
J. M. STOUT,
A. E. CRATZER.