

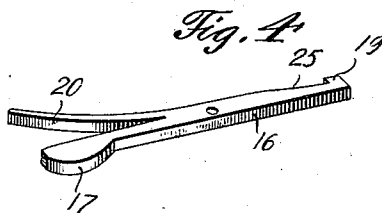
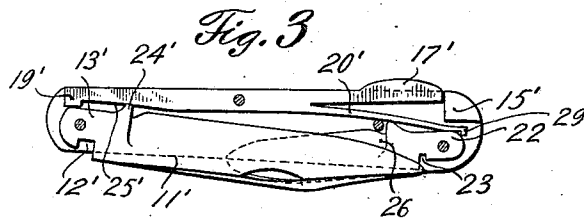
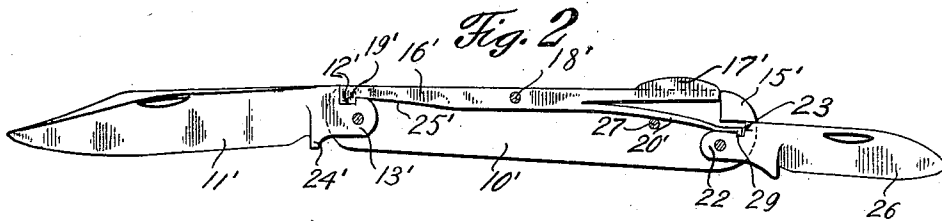
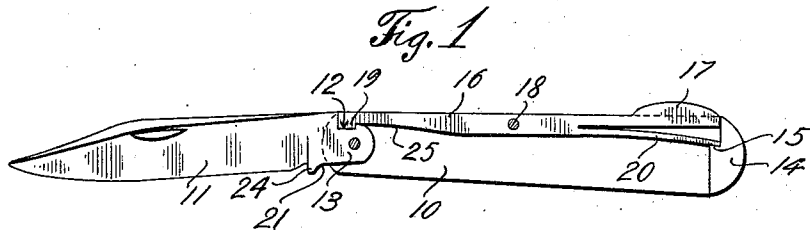
J. W. BEARDSLEY & E. E. FOLTS.

KNIFE.

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988,068.

Patented Mar. 28, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN W. BEARDSLEY AND ELTON E. FOLTS, OF KANE, PENNSYLVANIA.

KNIFE.

988,068.

Specification of Letters Patent.

Patented Mar. 28, 1911.

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To all whom it may concern:

Be it known that we, JOHN W. BEARDSLEY and ELTON E. FOLTS, citizens of the United States, residing at Kane, in the
5 county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Knives, of which the following is a specification.

This invention relates to pocket knives
10 and chiefly to that variety of pocket knives known as locking knives, the blade thereof being locked open by the spring back.

This invention also contemplates the construction of a knife of this type and character wherein the spring back has a double
15 bearing upon the shank of the knife when the same is closed, which bearing tends to retain the knife in a closed position, and raise the edge thereof from the back to prevent the dulling thereof.

A further object of this invention is to apply the same to a knife wherein a plurality of blades are used in such a manner that only a single locking element, that is, a
25 spring back is necessary.

With the above and other objects in view, this invention consists of the construction, combination and arrangement of parts all as hereinafter more fully described, claimed
30 and illustrated in the accompanying drawings, wherein:

Figure 1 is a central longitudinal section of a knife illustrating the present invention as adapted for use in connection with a single blade; Fig. 2 is a similar view of a modification thereof setting forth the construction of a knife provided with a plurality of blades; Fig. 3 is likewise a central longitudinal section illustrating the position of the
40 blades when closed; Fig. 4 is a perspective view of the spring lock back.

Reference being had to the accompanying drawings, 10 indicates the handle portion of a knife constructed in the usual manner, having pivoted therebetween at one extremity the knife blade 11, and provided with the butt block 14 at the opposite extremity thereof. This butt block is provided adjacent the back of the knife with a recess 15,
50 said recess forming the shoulder on the interior of the butt block.

The shank 13 of the knife is provided with a notch 12 in one side thereof and a depression 21 oppositely disposed thereto, said
55 recess forming a projecting shoulder of the lug 24. This construction of the shank of

the knife coöperates with the peculiar formation of the spring lock back for attaining one of the objects of the present invention, that is, to provide a double pressure on the shank for retaining the same within the
60 handle portions when the knife is closed and supporting the latter from the back.

The spring lock back 16 is of a peculiar formation, being provided at the extremity thereof adjacent the butt block 14 with the outwardly extending projection 17, said projection forming a means whereby pressure may be exerted on the back to release the knife blade 11 when the same is locked in an open position. The back 16 is pivoted between the handle portions 10 by the rivet 18 centrally disposed with respect to the length of said back and is the securing means thereof. The back 16 is split directly
75 under the finger piece 17 from the extremity inwardly, after which it is bent outwardly and tempered in this position, thus forming the outwardly curved spring which, when the back rests in its normal position, bears against the shoulder of the recess 15 formed in the butt block 14. The forward
80 extremity of the back 16 is provided with an inwardly extending lug 19 which, when the knife blade is open is engaged in the recess 12 of the shank 13, thereby locking the knife in said position. The body portion of the back is reduced at 25 adjacent said lock, forming a sloping surface which coöperates with the shoulder or projection 24 of the
90 shank. Attention is directed to the advantages derived from this construction of the back 16. When the knife is closed as is set forth in Fig. 3, the lug 19 bears against the extremity of the shank while the depressed portion 25 of the back operates against the projection 24, thus supporting the knife from the back, exerting a double pressure thereon to retain the same within the handle and supply a means whereby the back 16 rests
100 flush with the edges of the handle portion when the knife is closed.

Referring to the modification set forth in Figs. 2 and 3, the means for locking the forward blade 11' is exactly similar to that illustrated in Fig. 1, the lug 19' engaging in the recess 12'. However, the blade 26 is pivoted in the opposite extremity of the handle portions to that occupied by the blade 11', the shank 22 thereof being constructed similar to the shank of the blade 11'. This shank
110 is provided with an angular recess 23 which

is adapted to be engaged by the inwardly extending lug 29 carried at the terminal of the spring 20'. The butt 15' extends only a portion of the width or depth of the handle, consequently permitting the blade 26 to swing freely, and a transverse pin 27 is located under the spring 20' and bears against the same.

From the foregoing description, it will readily be seen that upon exerting a pressure on the finger piece 17, the extremity thereof carrying the same will be depressed about the fulcrum 18, causing the forward extremity to be raised, and as a result the lug 19 will be removed from the recess 12 thus raising the knife blade and permitting the same to be closed.

In the modification, the operation is similar as regards the blade 11, while the blade 26 is released by the pin 27 bearing against the spring and raising the lug 29 from engagement with the recess 23, said pin acting as a fulcrum for said spring.

Having thus fully described our invention, what is claimed as new is:

1. In a knife, a handle, a plurality of blades pivoted in said handle, a recess formed in one side of the shank of each blade, a spring lock back pivoted centrally in said handle, having at one extremity thereof an inwardly projecting lug adapted to engage the recess in one of the blades, and at its

opposite terminal an integrally formed spring having an inwardly projecting lug at the terminal thereof adapted to engage the recess in the shank of the remaining blade, and means whereby said last named lug may be released from said last named blade when a pressure is applied to the main body portion of the back directly above said spring.

2. In a knife, a handle, a plurality of blades pivoted in said handle, a recess formed in one side of the shank of each blade, a spring lock back pivoted centrally in said handle, having at one extremity thereof an inwardly projecting lug adapted to engage the recess in one of the blades, and at its opposite terminal an integrally formed spring having an inwardly projecting lug at the terminal thereof adapted to engage the recess in the shank of the remaining blade, and a pressure pivot located below said spring adapted to release said last named blade from the free terminal of said spring when pressure is exerted on the body portion of the back directly above said spring.

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

JOHN W. BEARDSLEY.
ELTON E. FOLTS.

Witnesses:

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