

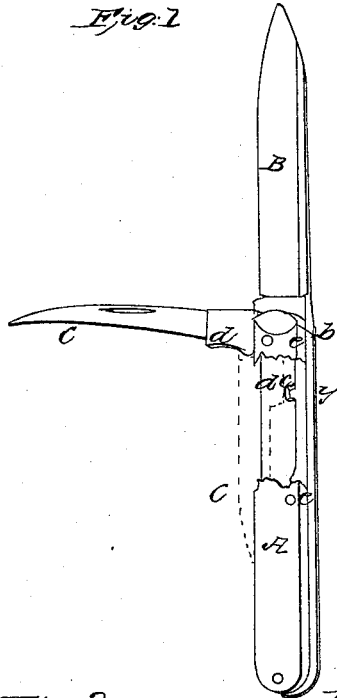
*A. Heninger,*

*Pocket Knife.*

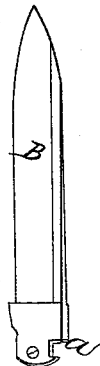
*N<sup>o</sup> 48,685.*

*Patented July 11, 1865.*

*Fig. 1*



*Fig. 2*



*Fig. 3*



*Witnesses:*

*Jas. A. Austin*

*R. Litzigwald*

*Inventor:*

*Anton Heninger.*

# UNITED STATES PATENT OFFICE.

ANTON HENINGER, OF NEW HAVEN, CONNECTICUT.

## IMPROVEMENT IN DIRK-KNIVES.

Specification forming part of Letters Patent No. 48,685, dated July 11, 1865.

*To all whom it may concern:*

Be it known that I, ANTON HENINGER, of the city and county of New Haven, in the State of Connecticut, have invented a new and useful Improvement in Dirk-Knives; and I do hereby declare that the following is a full, clear, and exact description of the construction, character, and operation of the same, reference being had to the accompanying drawings, which make part of this specification, in which—

Figure 1 is a perspective view of the open knife, with a part of the handle, &c., broken away, showing the position and form of the bent projection on the spring of the dirk-blade. Fig. 2 is a perspective view of the dirk-blade, showing the notch in the heel or rear end of the blade, into which the projection or hook at the end of the spring falls to lock it open. Fig. 3 is a perspective view of the spring of the dirk-blade, showing the projection or hook at the end which locks into the notch in the dirk-blade to hold it open and the bent projection on which the shoulder of the small blade presses to force the spring back to unlock the dirk-blade.

My improvement consists in making the spring of the dirk-blade with a locking projection or hook at the end, similar to that which has been heretofore used for locking the blade open, and another projection, on the bent end of which the shoulder of the small blade may be pressed to unlock the dirk-blade and allow it to be shut with ease and convenience.

I make the handle A, Fig. 1, of any convenient material and shape, in the usual way for two or more springs, and to receive two blades at one end, while the other end may or may not have a blade or blades inserted.

I make the dirk-blade of cast-steel or any other suitable material, substantially of the shape shown in Fig. 2, and at B, Fig. 1, with a notch or recess in the back part of the thick end or shoulder, as shown at *a*, Fig. 2, to receive the projection or hook *b*, Fig. 3, at the end of the spring *g*, which will lock the dirk-blade open.

I make the small blade C of cast-steel or any other suitable material, substantially in the form shown at C *d*, Fig. 1, and as indicated in dots at C' *d'*—that is, with a narrow blade, C,

and an unusually large and long shoulder or thick part, as shown at *d* and *d'*, Fig. 1, for the purpose of reaching to and resting on the bent projection *c* of the spring *g*, Figs. 1 and 3, so that the blade C *d* may serve as a lever to force the spring *g*, Figs. 1 and 3, downward to unlock the dirk-blade and allow it to shut. I make the spring *e e* of the small blade C *d* of the usual shape, as indicated in Fig. 1, partially broken away.

I make the spring for the dirk-blade of cast-steel or any other suitable material, substantially in the shape or form shown in Fig. 3, with a projection or hook at the end, as shown at *b*, to fall or be pressed into the notch or space *a*, Fig. 2, to lock the dirk-blade open, and with a bent projection, as *c*, Figs. 1 and 3, which extends over the other spring, *e e*, so that when the blade C is shut its shoulder *d* will rest on the projection *c*, as indicated by dots; and then, when the inner end or point of the blade C is pressed down between the sides or scales of the handle A, its shoulder or thick part *d* will press on the projection *c* and force down the spring *g*, Figs. 1 and 3, so as to unlock the dirk-blade B and allow it to be shut in the usual way.

Having made the parts of the knife as before described, I assemble the parts or put them together in the usual way, as indicated in Fig. 1. I then shut the blade C, when it will be substantially in the position indicated by the dots in Fig. 1; and when I wish to shut the dirk-blade I place my finger or thumb on the back of the small blade, as at C', and force it down until the shoulder *d*, as at *d'*, by acting on the bent projection *c*, will force down the spring *g* so as to draw the projection or hook *b*, Fig. 3, out of the notch or space *a*, Fig. 2, when the dirk-blade B may be conveniently closed or shut in the usual way.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the two blades B and C with the spring *g*, when the parts are constructed, arranged, and fitted for use substantially as herein described.

ANTON HENINGER.

Witnesses:

R. FITZGERALD,  
JAS. A. AUSTIN.