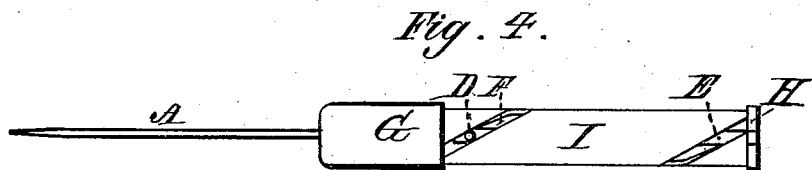
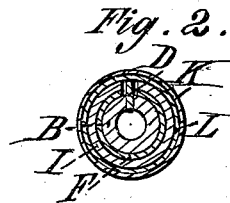
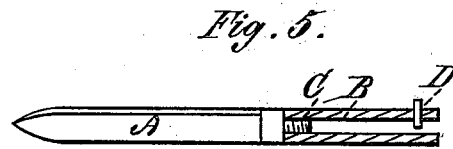
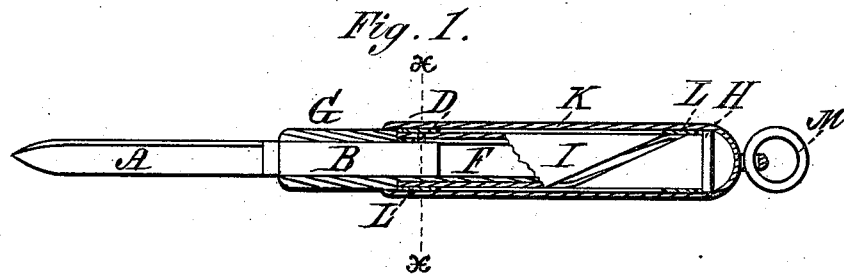
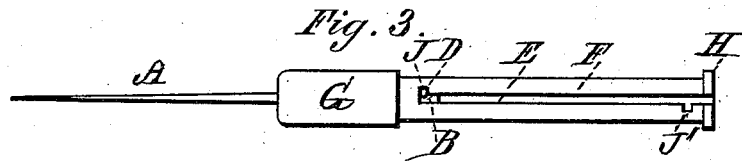


S. SCHOLFIELD.

POCKET-KNIFE.

No. 187,051.

Patented Feb. 6, 1877.



Witnesses.  
Alva R. Abbott.  
Henry C. Buck.

Socrates Scholfield.

# UNITED STATES PATENT OFFICE.

SOCRATES SCHOLFIELD, OF PROVIDENCE, RHODE ISLAND.

## IMPROVEMENT IN POCKET-KNIVES.

Specification forming part of Letters Patent No. 187,051, dated February 6, 1877; application filed January 2, 1877.

*To all whom it may concern:*

Be it known that I, SOCRATES SCHOLFIELD, of Providence, in the State of Rhode Island, have invented an Improvement in Pocket-Knives, of which the following is a specification:

The nature of my invention consists in the combination of a readily-detachable knife-blade with the screw extension mechanism commonly employed in pencil-cases.

In ordinary pocket-knives the blade is made as a permanent fixture to the handle, and, when broken or worn by repeated sharpening, cannot be readily changed for another. So, in order to construct a knife for light use, in which the blade can be made at the minimum of cost, and be readily inserted and taken out of the handle at will, I have arranged the above-mentioned improvement, the blades being, in this case, made so cheaply that when dull from use they may, in ordinary cases, be profitably thrown away and a new sharp one inserted, the change being readily effected by any person in a few seconds, and without the use of tools.

Figure 1 is a longitudinal section. Fig. 2 is a cross-section taken in the line *x x*. Fig. 3 is a view showing the slotted tube in which the knife and carrier move. Fig. 4 is a view showing the tubular screw used to impart the proper movement to the carrier. Fig. 5 is a sectional view of the detachable blade and carrier. Fig. 6 is a top view of a blade and carrier.

In the drawing, A is the blade, removably attached to the carrier B by means of a screw-thread, C, as shown in Fig. 5. At the rear of the carrier B is placed the pin D, which moves in the slot E of the tube F, upon one end of

which is fixed the holding-tip G. At the opposite end of the tube F is placed the collar H. Between the collar H and tip G is placed the loosely-turning tubular screw I, which, by engaging with the pin D, serves to move the carrier and knife back and forth within the tube F. At either end of the slot E are made the notches J and J', which serve to hold the carrier, and prevent it from being forced from its proper position at either extreme of its movement. The outer case K is made open at its forward end, and larger in diameter than the collar H and holding-tip G, so that it can be passed over them both, and be secured to the screw I by means of the collars L L, attached to the screw. At the rear of the case K may be placed the ring M.

By taking the tip G between the thumb and forefinger of one hand, and then turning the case K by means of the thumb and forefinger of the other hand, the knife A may be protruded from the case or handle, or retracted, at pleasure.

When the blade A has become injured by wear, or has been accidentally broken, it may be removed by simply unscrewing the blade from the carrier, and a new one can then be screwed in its place.

I claim as my invention—

The removable and readily-detachable knife-blade A, combined with the carrier B by means of a screw, C, the whole being operated by means of the pin D, slotted tube F, and tubular screw I, substantially as shown and described, for the purpose specified.

SOCRATES SCHOLFIELD.

Witnesses:

ALBA R. ABBOTT,  
HENRY C. BUCK.