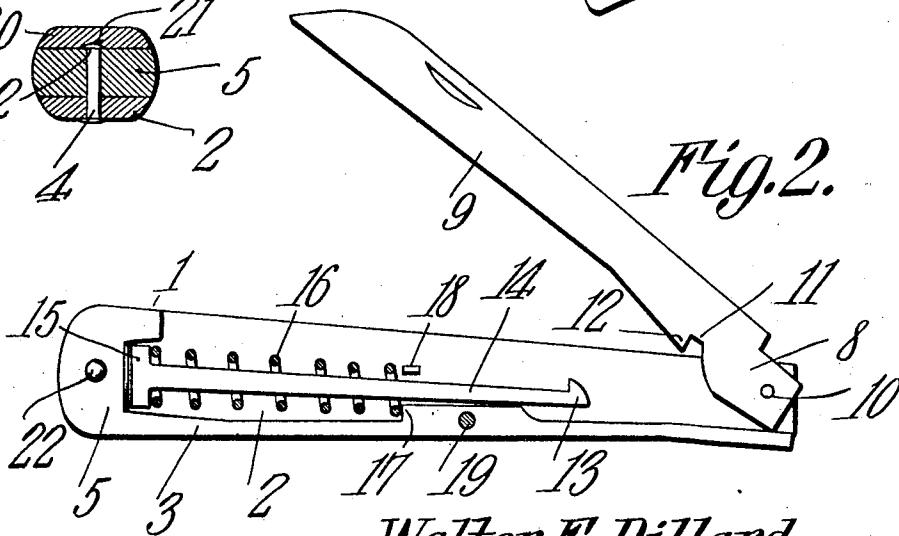
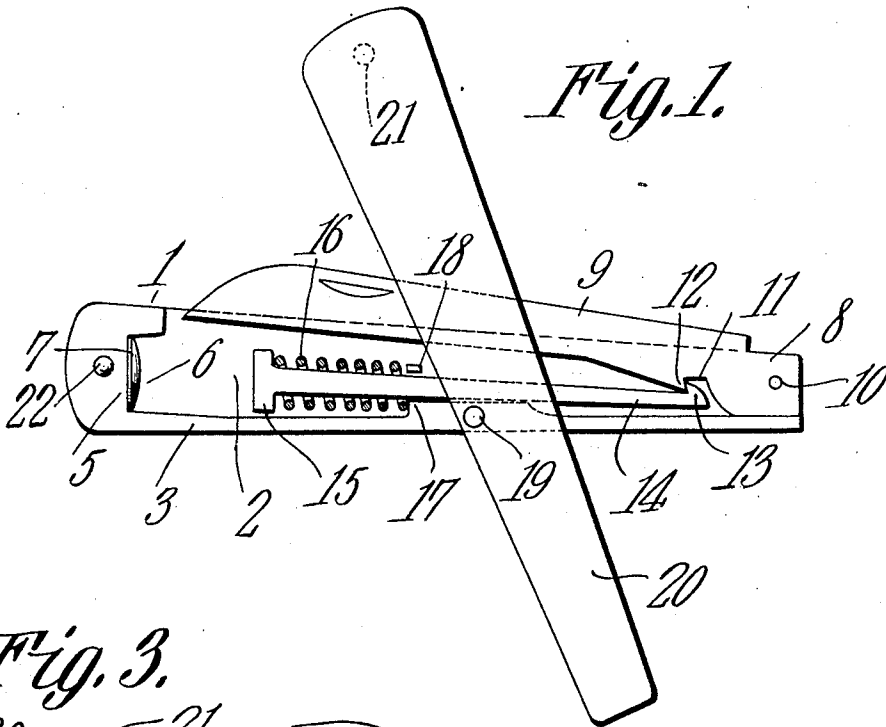


No. 878,509.

PATENTED FEB. 11, 1908..

W. E. DILLARD.
TRICK KNIFE.

APPLICATION FILED JUNE 4, 1907.



Walter E. Dillard,

INVENTOR.

WITNESSES:

E. H. Hammett
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UNITED STATES PATENT OFFICE.

WALTER E. DILLARD, OF PETERSBURG, VIRGINIA.

TRICK-KNIFE.

No. 878,509.

Specification of Letters Patent.

Patented Feb. 11, 1908.

Application filed June 4, 1907. Serial No. 377,200.

To all whom it may concern:

Be it known that I, WALTER E. DILLARD, a citizen of the United States, residing at Petersburg, in the county of Dinwiddie and State of Virginia, have invented a new and useful Trick-Knife, of which the following is a specification.

This invention relates to pen knives and more particularly to a trick device of this character designed to startle the user upon opening the knife by exploding a cap concealed therein.

Another object is to provide a device of this character having novel means for exploding a cap, said means being readily accessible for the purpose of resetting it.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a side elevation of the device, the side plate of the handle constituting the closure being swung open. Fig. 2 is a similar view with the closure removed and the firing pin released. Fig. 3 is a transverse section through one end of the knife and showing the side plate or closure locked.

Referring to the figures by characters of reference, 1 designates a handle consisting of a side plate 2 and a spacing strip 3, said strip being fastened at one end to the side plate as shown at 4, said fastened end constituting a head as indicated at 5. The inner face of this head is recessed as at 6 and is designed to receive a cap 7. The spacing strip 3 is formed of spring metal and its free end bears against the angular butt 8 of the knife blade 9, said butt being mounted upon a pivot pin 10 extending from the plate 2. The butt 8 is so shaped that the spring strip 3 will hold the blade either closed, half closed, or open, the construction being that usually employed in pen knives. A recess 11 is formed in the inner edge of the butt end of the blade and said edge is inclined toward one wall of the recess so that a pointed projection 12 is produced. This projection is designed to engage the head 13 of a firing pin 14 slidably mounted on the spacing strip 3 and having an enlargement 15 at that end thereof nearest the recess 6. A coiled spring 16 surrounds the firing pin and bears at one end

against the enlargement 15 while its other end presses against a shoulder 17 formed upon the spacing strip 3. A guide lug 18 laps the firing pin and extends from side plate 2. The firing pin 14 is formed of spring metal and the head 13 thereof is rounded for the purpose hereinafter set forth.

The spacing strip 3 is fastened, adjacent its shoulder 17, to the plate 2 by means of a pin 19 and this pin constitutes the pivot of a side plate 20 forming the closure of the handle. A recess 21 is formed in one end portion of the closure and said end portion is designed to ride upon the rounded end 22 of the fastening pin 4 so as to permit said end to be seated within recess 21. When the parts are positioned in this manner the side plate or closure is held against accidental movement upon its pivot.

When it is desired to use the knife herein described the side plate 20 is pressed laterally out of engagement with the projection 22 and said plate or closure is swung upon its pivot so as to expose the mechanism within the handle. The firing pin 14 is then pressed backward against the tension of its spring 16. This will cause the head 13 to press against the inclined edge of blade 9 and to spring downward under the projection 12 and finally become seated within the recess 11. The firing pin is therefore locked in set position and a cap such as indicated at 7 can be inserted into recess 6. The side plate or closure 20 is then swung back to its normal position. When the knife blade 9 is swung out of the handle the projection 12 is withdrawn from engagement with head 13 and as soon as the head is released in this manner spring 16 forces the firing pin forward against the cap 7 which will be exploded.

What is claimed is:

1. The combination with a knife handle having means therein for holding an explosive; of a firing pin concealed within the handle, and a knife blade designed when closed, to lock the firing pin in set position.

2. The combination with a knife handle having means therein for holding an explosive; of a spring pressed firing pin movably mounted within the handle, a knife blade, and means operated by the opening of the blade for releasing the firing pin.

3. The combination with a knife handle having means therein for holding an explosive; of a spring pressed firing pin movably mounted within the handle, a blade,

means operated by the opening of the blade for releasing the firing pin, a closure for the handle.

4. The combination with a knife handle
5 having means therein for holding an explosive, and a knife blade pivotally mounted within the handle; of a spring pressed firing pin within the handle and disposed to be locked in set position by the blade when closed, and a closure for the handle.
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5. The combination with a knife handle having means therein for holding an explosive, and a knife blade pivotally mounted within the handle; of a firing pin movably
15 mounted within the handle and designed to be locked in set position by the blade when closed, and a side plate pivotally connected to the handle and constituting a closure.

6. The combination with a knife handle

having means therein for holding an explosive, and movable means constituting a closure for the handle; of a spring pressed firing pin movably mounted within the handle, and a knife blade disposed, when closed, to lock the firing pin in set position. 20 25

7. The combination with a knife handle and a knife blade pivotally connected thereto; of means released by the movement of the blade for discharging an explosive contained within the handle. 30

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WALTER E. DILLARD.

Witnesses:

R. G. SPRATLEY,
JAS. C. PETTIT.