C. S. EVENS.

PIVOTED TOOL.

APPLICATION FILED JUNE 6, 1910.

996,231. **Patented June 27, 1911.**

Fig. 1.

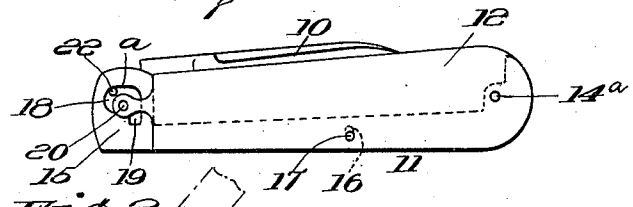


Fig. 2.

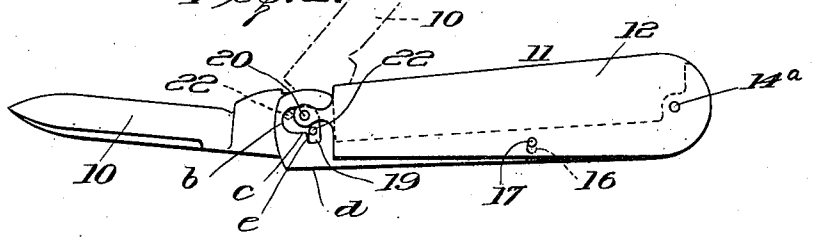


Fig. 3.

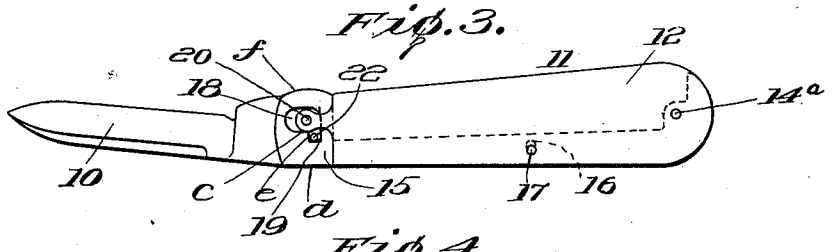


Fig. 4.

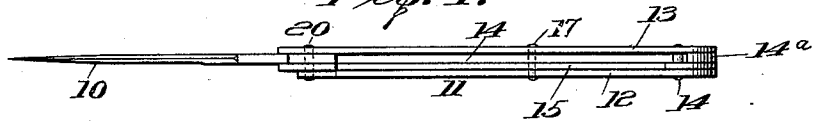


Fig. 5.

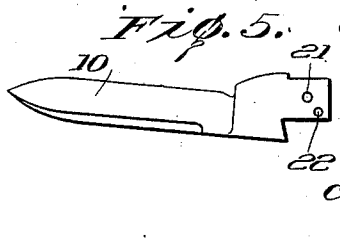
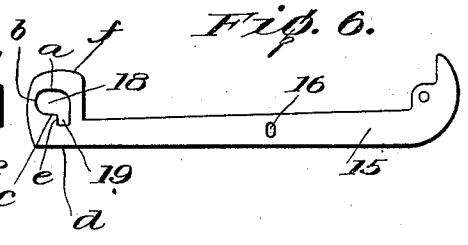


Fig. 6.



Witnesses:
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UNITED STATES PATENT OFFICE.

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PIVOTED TOOL.

996,231. Specification of Letters Patent. Patented June 27, 1911.

Application filed June 6, 1910. Serial No. 565,183.

To all whom it may concern:

Be it known that I, CHARLES S. EVENS, a citizen of the United States, and a resident of Walden, county of Orange, State of New York, have invented certain new and useful Improvements in Pivoted Tools, of which the following is a specification.

This invention relates to improvements in tools which are pivoted to handles.

The object of the invention is to provide means whereby when the tool is open for use it will be locked to prevent accidental closing, yet may be readily unlocked.

With this and other objects in view the invention consists in the novel features of construction and arrangements of parts hereinafter described and pointed out in the appended claims.

The invention is shown and described as applied to a pocket knife although it is obvious that it may be used with other tools.

Referring to the drawing which forms a part of this application and in which the same reference character indicates the same part in the several views: Figure 1 is a side elevation of a knife in its closed position having the invention applied thereto, one side of the knife at the end to which the blade is pivoted, being cut away to show the improvement. Fig. 2 shows in full lines a knife blade open but not locked. Fig. 3 shows the position of the parts when the knife is open and locked against closure. Fig. 4 is a front edge view of the knife. Fig. 5 is a view of one side of the blade. Fig. 6 is a detail view of the locking member.

The part marked 10 represents the blade and 11 the handle of the knife. This handle is provided with the usual sides 12 and 13 and back spring 14. One of these sides 12 is cut away to more clearly show certain parts of the invention. Pivoted to the inside of the handle on the rivet 14^a is a plate or locking member 15 which has an elongated slot or opening 16 through which passes the rivet 17. The free end of this plate or locking member is provided with an opening 18 having a lateral recess 19, and through which passes the rivet 20, said rivet also passing through the usual opening 21 in the blade to pivot the blade to the handle. One face of the blade near its point of pivot is provided with a projection or pin 22 which extends in the opening 18 of the locking member. When the blade is closed, as shown in Fig. 1 of the drawing this pin rests against the surface *a* of the opening 18 and holds said locking member 15 in the position there shown.

In opening the blade to the position shown in dotted lines in Fig. 2, the pin will engage the surface *b* but in opening the blade to its full extent this pin will bear against the surface *c* and move the locking member to the position shown in full lines in Fig. 2, this figure showing the blade open but not locked. After the blade is fully open, as there shown, the locking member is pressed at *d* by the thumb and moved on its pivot 14^a to the position shown by Fig. 3, with the pin 22 in the recess 19. In this position the blade cannot be closed, as an attempt to do so will cause the pin 22 to bear against the side *e* of the recess and prevent movement of the blade on its pivot 20.

To unlock the blade so that it may be closed the thumb is pressed against *f* of the locking member, whereupon said member is moved to the position shown by Fig. 2, whereupon the pin 22 is out of the recess 19 and the blade may be moved on its pivot, said pin moving freely in the opening 18.

In the last operation of closing the blade the pin 22 bears against the surface *a* and automatically moves the plate or locking member to the position shown by Fig. 1 of the drawing.

As many changes could be made in the above construction and many apparently widely different embodiments of my invention could be made without departing from the scope thereof, I intend that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

I desire it also to be understood that the language used in the following claims is intended to cover all of the generic and specific features of the invention herein described and all statements of the scope of the invention, which, as a matter of language, might be said to fall therebetween.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, a handle, a pivoted blade having a projection, and a member which is connected to the handle and coöperates with said projec-

tion in locking the blade in open position, said member having an opening in which the projection travels during the opening and closing movements of the blade and a recess which extends laterally from its opening and receives the projection when the blade is fully open, said recess having a wall arranged to act on the projection to prevent closing movement of the blade and said member being movable relatively to the handle and blade to place its recess into and out of operative relation with the projection.

2. In a device of the class described, a handle, a plate having one end thereof pivoted to the handle and having an opening in the other end thereof and a recess extending from said opening, a blade having an opening therein, a pivot passing through said opening in the plate and blade, and a pin on the blade projecting in the opening and bearing against surfaces of the opening in the plate to move the same on opening and closing the blade, said pin extending into said recess when the blade is open.

3. In a device of the class described, a handle, a pivoted blade having a projection, and a locking member which is pivoted to the handle, and is provided adjacent to the blade with an opening and a lateral recess from the opening, said opening being so disposed with relation to the projection from the blade that said projection travels in the opening and presses against opposite walls of the latter, to force the locking member outward and inward in the opening and closing movements of the blade, respectively, and said recess being so arranged that it receives the projection when the blade is fully open, and has a wall arranged to engage the projection and thereby prevent closing movement of the blade, the locking member being manually movable in opposite directions to place its recess into and out of operative relation with the projection.

In witness whereof I have hereunto set my hand at Walden, county of Orange and State of New York, this 27th day of May, 1910.

CHARLES S. EVENS.

In presence of—
FRANK R. BENEDICT,
THOMAS BROOKFIELD.