

Sept. 21, 1926.

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G. SCHRADER

POCKET KNIFE

Filed Oct. 6, 1925

Fig. 1

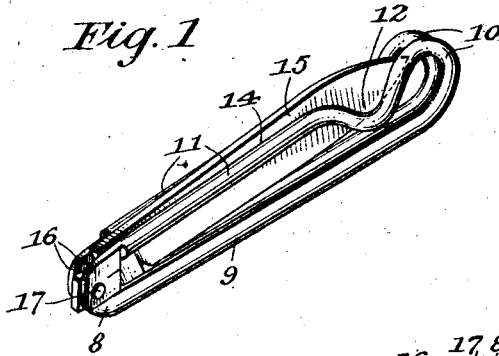


Fig. 2

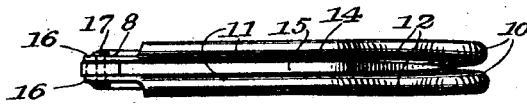


Fig. 4

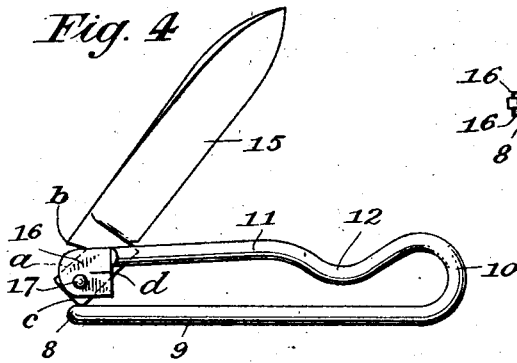


Fig. 3

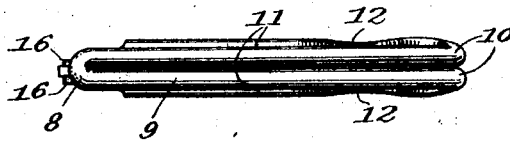


Fig. 6

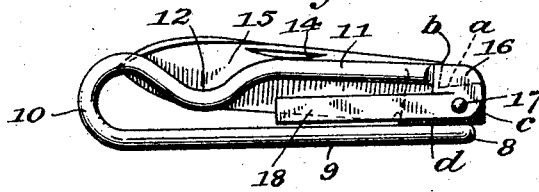


Fig. 7

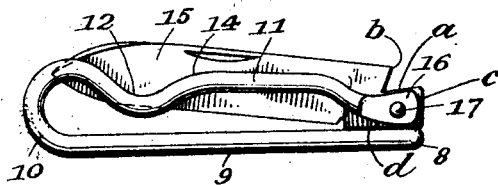
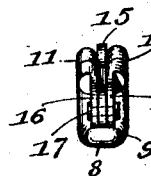


Fig. 5



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# UNITED STATES PATENT OFFICE.

GEORGE SCHRADE, OF BRIDGEPORT, CONNECTICUT.

## POCKETKNIFE.

Application filed October 6, 1925. Serial No. 60,731.

My invention relates to pocket knives and I hereby declare the following when taken in connection with the accompanying drawings and characters of reference marked thereon, to be a clear, full and correct description of the same.

The object of the invention is to produce a pocket knife of simple construction comprising but two main parts which are economical to manufacture and convenient and efficient in use.

The invention is further characterized in that it includes a handle portion adapted to be made of a single piece of wire bent into shape to provide a housing for the sides and edge of the blade and to provide a spring for the blade, the said wire handle portion being adapted to be bent up into shape by an automatic machine thus insuring an extremely low cost of manufacture beside producing a durable, simple, convenient and efficient pocket knife.

With these and other objects in view the invention resides and consists in the construction and novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form proportion, size and minor details of construction within the scope of the claims may be resorted to without departure from the spirit or sacrificing any of the advantages of the invention.

Similar characters of reference denote like or corresponding parts throughout the several figures of the accompanying drawings forming a part of this specification, and upon which,

Fig. 1 shows a perspective view of my improved form of pocket knife;

Fig. 2 is an edge view of the same;

Fig. 3 is a back view as seen from the opposite side of that shown in Fig. 2;

Fig. 4 shows a side view of the same knife with the blade in open position;

Fig. 5 shows an end view as seen from the near end of Fig. 1;

Fig. 6 shows a side view of the knife illustrating a slight modified form of wire handle, and

Fig. 7 shows a further side view of knife including a simplified feed form of handle.

As before suggested the handle is formed throughout of a single piece of heavy wire, that is bent and shaped to form a handle

which includes opposite side portions and a yieldable or spring back member, said parts being suitably proportioned and spaced apart to form a pocket in which the knife blade is pivotally supported.

Owing to my novel design of a one-piece handle as above outlined, it will be noted that it is possible to form my pocket knife of but three pieces including the small rivet and that the knife so formed will include the important features found in pocket knives of this class. In this respect it will be noted that the blade may be of usual construction and that the handle embodies a spring back and is shaped to form the required housing for the blade which is operatively mounted in the handle through the medium of a single rivet forming the pivot for the blade.

This handle or housing is formed from a single piece of wire of suitable length, preferably folded midway of its length as at 8 forming a closed loop spring end and disposing the two correspondingly shaped side members side by side. These corresponding side members of the one-piece wire handle each comprise a straight back or spring member 9, end loops 10 and side member 11, said side member being bent inwardly to form finger pockets 12 to permit free engagement of the blade for opening the same. The spring members 9 are disposed against each other to form a knife back and spring for the blade, and loop ends being closed and shaped to form a common bearing surface upon which the edge of the blade operates in a way to prevent the same from wobbling.

These side members are spaced apart one from the other so as to form between them a chamber or pocket 14 which is preferably wider at its forward end than at the loop end 10 so as to readily receive the knife blade 15, one end of which is pivotally mounted in the end portions 16 of the side member of the knife handle as is clearly shown in Fig. 2. The end portions of the side member are preferably flattened as shown and are thus formed flush with the inner face of the wire of the side portions so as to provide a rigid support for the pivotal end of the blade. This end of the blade is pivotally mounted between these end portions of the side members by means of a rivet 17 secured within aligned holes in the side members in a manner to support the blade in its several adjusted positions, in the handle. These end por-

tions 16 of the side members of the handle may if desired be returned slightly as seen in Figs. 1 and 4 or extended in further as shown at 17 in Fig. 6 to form fillings in the side members to better protect the fingers of the users from the edge of the blade in closing the same and further to form a protection of the blade itself against foreign objects which may be otherwise brought into engagement therewith.

It will be seen that the blade designated as 18 may be of the usual or any preferred construction, one end being pivoted to a rivet secured in the end portions of the two side portions of the handle, the edge portion being positioned between the two side members when the blade is closed. The blade further includes the usual squares at pivotal end of the blade, including the back square *a*, the run up *b*, tang end *c* and front square *d*, all of which are engaged at times by the end 8 of spring back members 9 to hold the blade in its several positions.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:—

1. A pocket-knife comprising a handle-member and a blade member, the handle member being made of a single piece of wire folded together to form a spring back having a closed loop end for the engagement of the edge portions of the hinged end of the blade, including two similarly shaped and disposed side members forming the handle, the said loop including a transverse end and parallel side portions swedged together to form a common bearing surface against which the blade is operatively and rigidly supported, the said handle member further including adjacently positioned wire ends, and a pivotal stud mounted in said ends to support the blade.

2. A pocket-knife comprising a handle-member and a blade member, the handle member being made of a single piece of wire

folded together to form a spring back having a closed loop end for the engagement of the edge portions of the hinged end of the blade, and including two similarly shaped and disposed side members forming the handle including two adjacently positioned wire ends having opposed flat and broadened faces, a straight pivotal stud mounted in and at a right-angle to said faces to support the blade between said flat and broadened faces and against the said closed loop end of the spring in a manner to be rigidly supported.

3. A pocket knife including a blade, and a one piece round wire handle bent to form a closed loop and spring back and spaced apart side members having free ends disposed adjacent the closed loop end of said spring back, said closed loop being swedged together to form a common bearing surface for the blade, and a pivotal stud mounted in said ends to support the said blade.

4. A pocket knife including a blade, and a one piece wire handle bent to form a closed loop end spring back, and two similarly shaped and spaced apart side members including folded, flattened and adjacently disposed blade supporting portions having end members returned and disposed between the spring back and side members.

5. A pocket knife including a blade, and a one piece handle formed of round wire and bent to form a closed loop and spring back, and spaced apart side member having free flattened wire ends disposed adjacent the closed loop end of said spring back, said closed loop being swedged together to form a common bearing surface for the edges of the pivotal end of the blade, and a pivotal stud mounted in said wire ends to support the said blade.

Signed at Bridgeport in the county of Fairfield and State of Connecticut this 5th day of October A. D. 1925.

GEORGE SCHRADE.