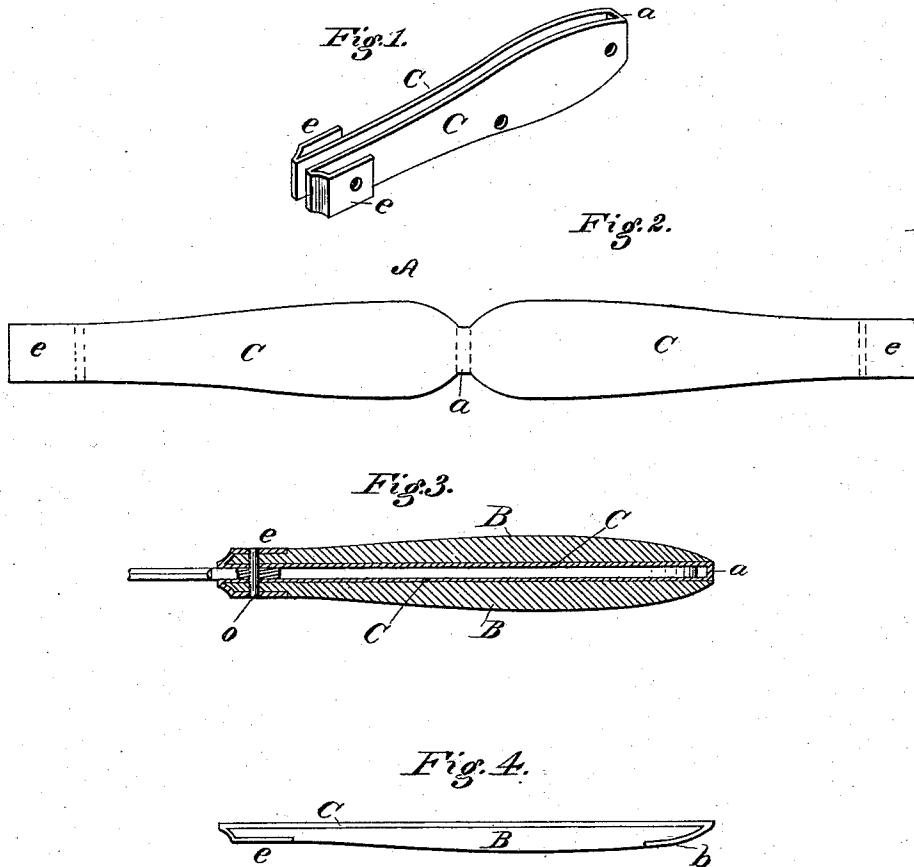


J. W. GARDNER.
HANDLES FOR POCKET KNIVES.

No. 177,998.

Patented May 30, 1876.



Witnesses:
Donn P. Twitchell.
Will A. (Dodge).

Inventor:
J. W. Gardner,
by Dodge & Son,
Attys.

UNITED STATES PATENT OFFICE.

JOSEPH W. GARDNER, OF SHELburnE FALLS, MASSACHUSETTS.

IMPROVEMENT IN HANDLES FOR POCKET-KNIVES.

Specification forming part of Letters Patent No. **177,998**, dated May 30, 1876; application filed May 6, 1876.

To all whom it may concern:

Be it known that I, JOSEPH W. GARDNER, of Shelburne Falls, in the county of Franklin and State of Massachusetts, have invented certain Improvements in Handles for Pocket-Knives, of which the following is a specification:

My invention consists in constructing the handles for pocket-knives with the lining bent over at the end, so as to form an overlapping bolster, and also form at the opposite end an overlapping tip, as hereinafter more fully described.

Figure 1 represents a lining completed ready for use. Fig. 2 represents a blank from which the lining is formed. Fig. 3 represents a knife-handle in longitudinal section made on my plan; and Fig. 4 represents a modification of the same.

In making pocket-knives it has been customary to make a lining for the handle of sheet metal, and then braze or otherwise secure the bolsters thereto. In some instances the entire handle has been made of thicker metal, on which the bolsters were then swaged or forged.

The object of my present invention is to make the lining and bolster all of one piece of thin metal, in such a manner that the bolster shall lap or fit over the scale or outer portion of the handle, thereby holding the scale firmly in place, and at the same time cheapen the manufacture of pocket cutlery.

To construct a handle on my plan I first punch, cut, or stamp out the lining in the form of a blank, A, as shown in Fig. 2. This blank is made of the required form according to the shape or style that the handle is to be when completed, and is made of such a length that it may be bent into the form shown in Fig. 1. The bolsters *e* are formed by bending the

blank, as indicated by the dotted lines near its ends in Fig. 2, into the required shape, as shown in Fig. 1, which may be done in any suitable manner. The blank is then doubled or folded over, as indicated by the dotted lines at *a*, Fig. 2, when it is ready for use. To a lining thus made, the scales or side pieces B of wood, ivory, or other suitable material, are fitted as shown in Fig. 3, where it will be seen that the bolsters *e* lap over the forward ends of the scales, so that when the rivet *o* on which the blade turns is inserted, the whole is firmly united, and the ends of the scales are held securely in place. If desired, one or more separate small rivets may be put through the bolster, scale, and lining in addition, but for ordinary pocket-knives this is not deemed necessary.

As a modification of the above plan, I propose to make the lining of two pieces, and of such a length that its rear end may also be turned outward and made to lap over the scale, as shown at *b*, Fig. 4, the bolster *e* being formed as above described. This will be used more especially in cases where it is desired to make the handle more ornamental. By this method of construction I am enabled to make a very simple, cheap, and yet efficient and durable handle.

Having thus described my invention, what I claim is—

1. A lining for the handles of pocket-knives, having the bolster *e* formed by bending a portion of the lining so as to lap over the scale, substantially as described.

2. The overlapping tip *b*, substantially as shown and described.

JOSEPH WILLIAM GARDNER.

Witnesses:

O. R. MAYNARD,
J. B. BARDWELL.