

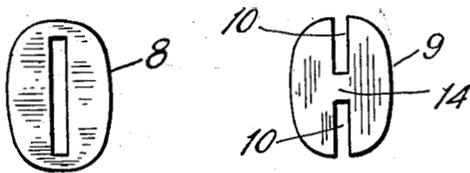
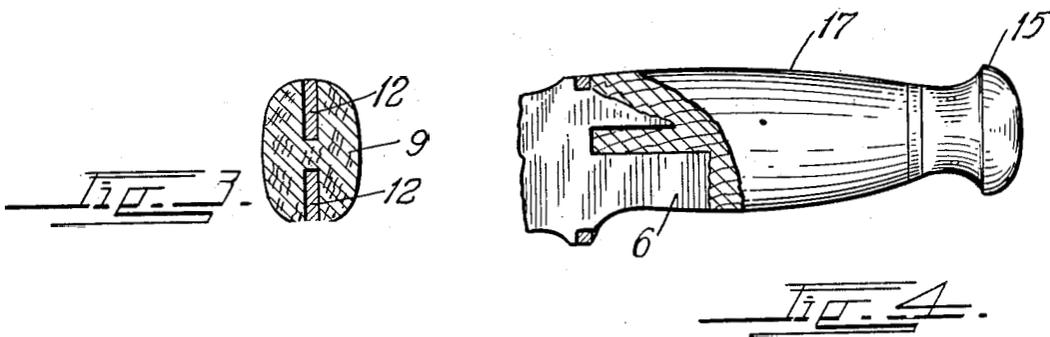
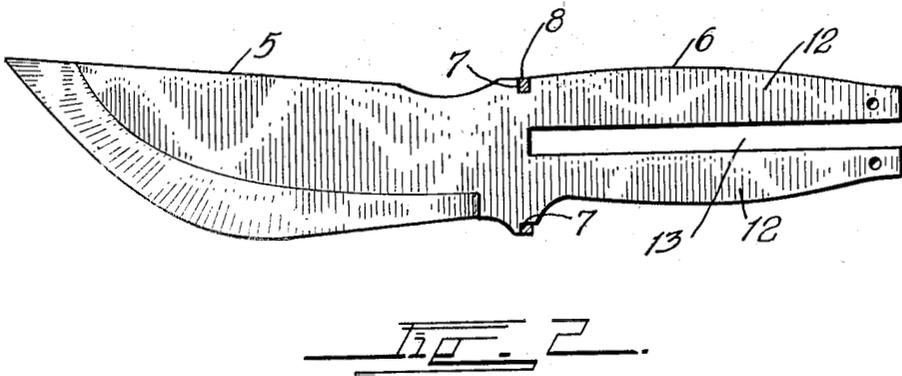
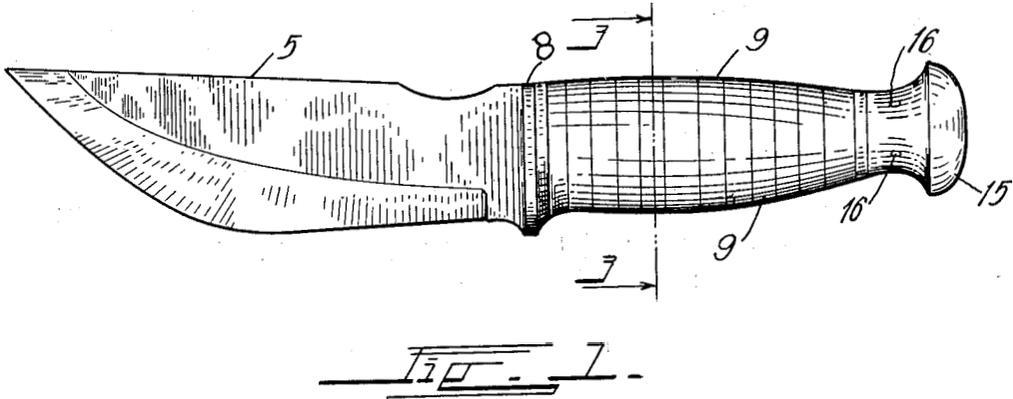
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1,967,479

TOOL

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# UNITED STATES PATENT OFFICE

1,967,479

TOOL

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3 Claims. (Cl. 30—9)

This invention relates to the construction of tools, its main object being to provide a novel and simple method of forming a handle for the tool, which is durable, strong and inexpensive and which cannot be displaced or loosened.

Other objects reside in details of construction as will be explained in the course of the following description.

In the accompanying drawing in which like characters of reference denote corresponding parts throughout the views,

Figure 1 is an elevation of a knife made in accordance with the invention,

Figure 2, a face view of a blank used in the construction of the knife,

Figure 3, a transverse section on the line 3—3, Figure 1,

Figure 4, a fragmentary view of a knife of modified construction,

Figure 5, a side view of a collar included in the construction of the knife of Figure 1, and

Figure 6, a side view of one of the parts of which the handle of the knife shown in Figure 1, is composed.

It will be understood, without further illustration, that while the drawing shows the invention as applied to a knife, it is adapted for use in the construction of any other handled tool.

The knife shown in Figure 1 comprises a blade formed integrally with a longitudinally slotted, bifurcated core member 6.

At the juncture of the blade and the core member are opposite notches 7, one of which is open to form a step, and into which is fitted a slotted shoulder or abutment plate 8 of preferably oval form, best shown in Figure 5. Strung upon the core 6 against the plate 8, is a series of handle-segments 9, likewise of oval contour, as shown in Figure 6, which have opposite grooves 10 to receive the parallel tangs or legs 12 of the core at opposite sides of the slot 13 of the same. The neck-portions 14 of the segments between the grooves, fit snugly in the slot of the core.

After all of the segments have thus been assembled on the core and pressed against the abutment plate, a rounded, recessed cap or head 15 is placed upon the end of the core and securely fastened in place by means of rivets 16 in registering apertures of the head and the core. The segments and the head conjointly form the handle of the tool.

In the form shown in Figure 1, the handle is tapered and lengthwise curved to fit the hand of the user and it will be apparent, that in order to obtain this form, the various segments of the laminated handle, are of correspondingly varying contour.

In Figure 4 of the drawing, the body of the handle is made of a single piece of material grooved as before to fit upon the bifurcated core

6 and fastened in place by the riveted head 15.

It will be noted that the shoulder- or abutment-plate 8 of the handle comes flush with the back of the knife blade, so that in using the knife one may slide the thumb along the back of the blade without meeting any obstruction. The shoulder-plate provides a guard which reinforces and strengthens the handle, it being apparent that the guard is placed so as to take all the strain to which the handle may be subjected in use, thus forming a strong abutment of substantial construction.

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

1. In a tool of the character described, a blank comprising a blade and a bifurcated tang, the back of the blank having a notch at the juncture of the blade and tang, and the opposite edge of the blank having a projection at said juncture to form an open sided notch, and the portion of the tang adjacent said latter notch extending no farther out than the bottom of said notch, a shoulder plate adapted to fit said notches and a handle on the tang abutting against the shoulder plate, said handle comprising a series of slotted flat segments fitted on said tang.

2. In a tool of the character described, a blank comprising a blade and a bifurcated tang, the blank having opposed notches at the juncture of the blade and tang, one of the notches being of open sided step shaped formation, a shoulder plate adapted to fit into the one notch and then be moved laterally into the step shaped notch, said shoulder plate having its edges substantially flush with the edges of the blank at the juncture of the blade and tang, and a handle on the tang abutting against the shoulder plate, with its outer surface substantially flush with the edges of the blank and shoulder plate.

3. In a tool of the character described, a blank comprising a blade and a tang, the back of the blank having a notch at the juncture of the blade and tang, and the opposite edge of the blank having a projection at said juncture to form an open sided notch, a shoulder plate adapted to At said notches and having an opening therethrough, said tang having a portion extending inwardly from the open side of said open sided notch, to facilitate fitting of the plate, and a handle on the tang abutting against the shoulder plate.

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