No. 673,506. Patented May 7, 1901.

J. A. PITTS.

GRIPPING HANDLE FOR TOOLS.

(Application filed Mar. 5, 1901.)

(No Model.)

Fig. 1.

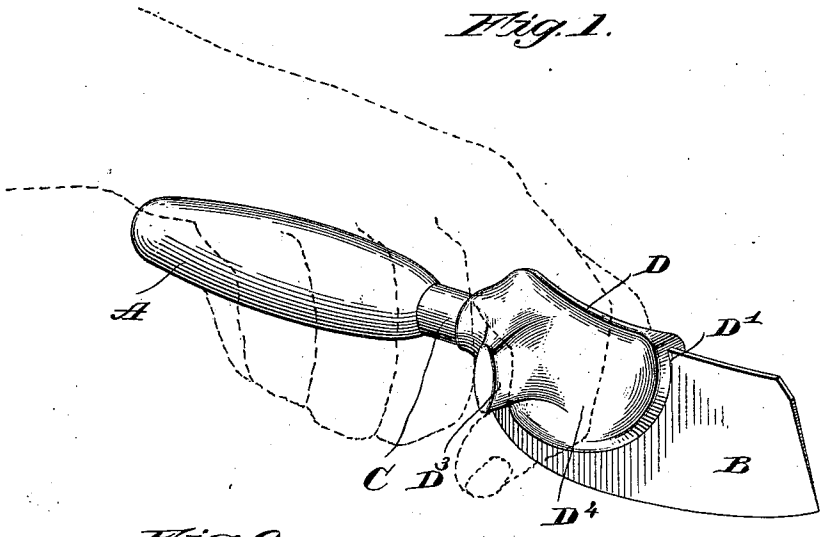


Fig. 2.

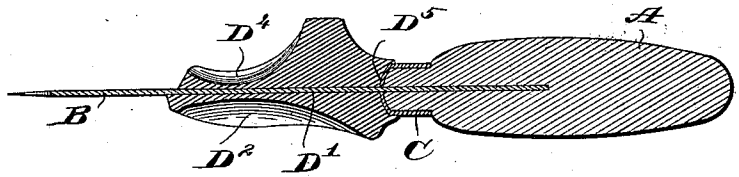


Fig. 3.

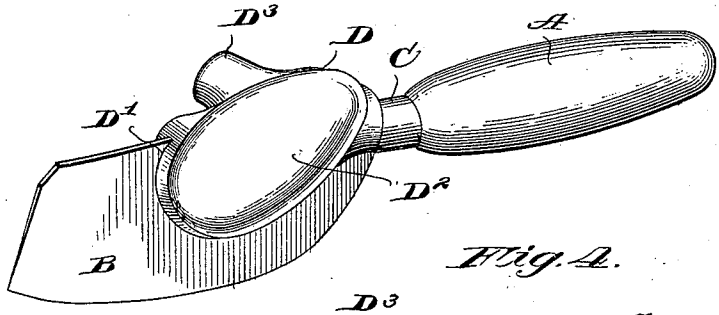
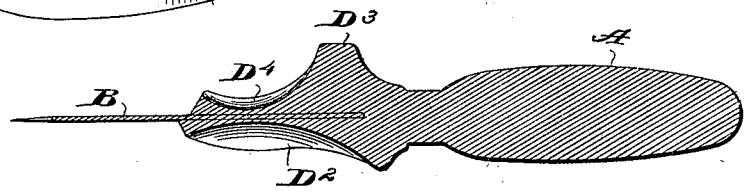


Fig. 4.



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GRIPPING-HANDLE FOR TOOLS.

SPECIFICATION forming part of Letters Patent No. 673,506, dated May 7, 1901.

Application filed March 5, 1901. Serial No. 49,696. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. PITTS, a citizen of the United States, residing at Kenosha, in the county of Kenosha and State of Wisconsin, have invented certain new and useful Improvements in Gripping-Handles for Tools, of which the following is a specification.

The object of this invention is the production of means whereby a tool may be firmly grasped in the hand and a considerable amount of pressure exerted upon said tool, without tiring the fingers of the operator.

In many tools the handle is illy adapted to be easily grasped and comfortably used. Take the ordinary knife used by artisans for cutting paper, cloth, leather, &c., as an instance. In this tool the handle is small and the blade thin, so that when the operator is obliged to exert a considerable amount of force in cutting, and thus to tightly grasp the knife, his fingers become cramped and are made sore thereby.

In the embodiment herein shown of this invention it is represented in its application to a knife, the form commonly used by paper-hangers and shade-makers. It is shown as an attachment to such a knife, susceptible of being readily removed and transferred to another knife should the one upon which it is mounted become dull or if for any other reason its transfer is desirable. In this form it is bifurcated, and thus adapted to fit over the back of the blade of the knife, and though it may be made of different materials I have found aluminium, on account of its lightness, particularly well adapted for the handle when used as an attachment. One side of the attachment is hollowed out to receive the thumb of the operator. The other side has a projecting stud over which the first finger of the cutting-hand is bent, the side of the implement adjacent to said finger conforming to the finger.

In the accompanying drawings, Figure 1 is a perspective view of a knife fitted with this attachment, showing in dotted lines the position of the hand of the operator when holding said knife. Fig. 2 is a longitudinal central section through the knife at right angles to the plane of the blade. Fig. 3 is a perspective view looking at the opposite side from that shown in Fig. 1. Fig. 4 is a longitudinal central section similar to that of Fig. 2, showing a knife having an integral handle embodying the features of my invention.

Like letters of reference indicate corresponding parts throughout the severel views.

A represents the ordinary knife-handle, B the knife-blade, and C a ferrule for the end of the handle A.

D is my gripping-handle, bifurcated by the narrow opening D′, and thereby adapted to fit over the back of the blade B. One side of the handle D is provided with a depression D^2 for receiving the thumb of the operator and the opposite side with an outwardly-projecting stud D^3, over which the first finger of the operator is placed. D^4 is a depression at the base of the stud D^3, conforming to the side of the said first finger as the same is bent around said stud, and D^5 is a slight depression in the end of the gripping-handle D for receiving the end of the ferrule C, and thereby tending to hold the gripping-handle in position.

In practice this gripping-handle is placed upon the back of a knife or on any other tool in any suitable manner and is gripped by the hand of the operator, as shown in Fig. 1. It may be readily removed when that for any reason is desirable.

The modification shown in Fig. 4 illustrates the gripping-handle formed as an integral part of the ordinary handle of a knife. It is evident that it might be so made instead of being detachably placed upon the blade.

I claim as my invention—

1. A gripping-handle for tools, having on one side thereof a depression adapted to receive the thumb of the operator, and on the opposite side a stud over which the first finger of the hand is intended to lie.

2. A gripping-handle for tools, having on one side thereof a depression adapted to receive the thumb of the operator, on the opposite side a stud over which the first finger of the hand is intended to lie, and a depression at the base of said stud conforming to said finger.

3. A gripping-handle for tools, having on one side thereof a depression adapted to receive the thumb of the operator, on the op-

posite side a stud over which the first finger of the hand is intended to lie, and intermediate said sides an opening for a tool, as the blade of a knife.

4. A gripping-handle for tools, having on one side thereof a depression adapted to receive the thumb of the operator, on the opposite side a stud over which the first finger of the hand is intended to lie, intermediate said sides an opening for a tool, as the blade of a knife, and a depression adapted to receive the ferrule of the tool-handle.

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