June 11, 1957 J. O. FORGETTE 2,795,034

FILE HANDLE

Filed Aug. 23, 1956

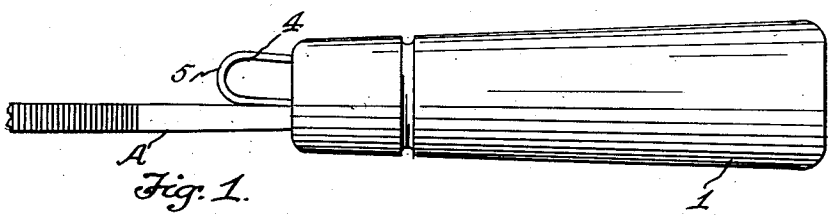


Fig. 1.

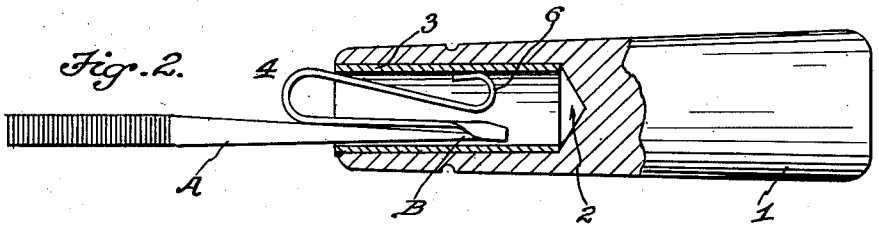


Fig. 2.

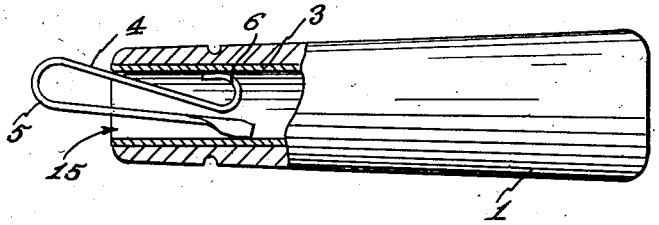


Fig. 3.

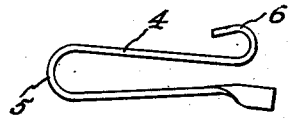


Fig. 4.

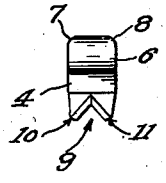


Fig. 5.

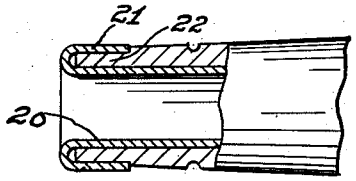


Fig. 6.

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FILE HANDLE

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3 Claims. (Cl. 29—80)

This invention relates to supports for tools and has particular reference to improvements in file handles.

The most common form of file support in use at the present time is a recessed wooden handle having a small ferrule mounted on the open end thereof. This external ferrule is alone depended upon to resist the strains the handle is subjected to. But because the thin wall of the handle within the ferrule generally is abused by uneven compression when the tang of the file is driven into it and subjected to pressures in various directions during operations of the file it is found that the ferrule gradually is loosened and slides away from the handle. The thin wooden wall of the handle is then incapable of resisting the strain it is subjected to and will crack under the strain it is subjected to release the file for dislodgment.

It is in view of the foregoing the object of the present invention to provide a file holder of the type referred to of sufficient strength and resilience rigidly to support a file during the useful life thereof. It is a further object of the invention to provide a device into which a file may be more conveniently seated and from which it may as readily be removed to make room for files of the same general size even in cases where the tangs of the files are differently shaped.

These and other objects of the invention, as well as the many advantageous features thereof, will be apparent from the following detailed description and by referring to the accompanying drawings of which:

Fig. 1 is a side view of a device embodying the invention;

Fig. 2 is a similar view with a portion thereof broken away to disclose the interior mechanism thereof;

Fig. 3 is like Fig. 2 as it appears before the file is seated therein;

Figs. 4 and 5 illustrate the file clamping member of the device as it appears before it is mounted in position therein; and

Fig. 6 shows a modified form of the invention.

The device of the invention includes a handle 1 of any suitable size and shape. A cylindrical recess 2 is sunk iton the front end of the handle to provide a seat for a ferrule 3 into which a clamping member 4 may be pushed to support the tang A of a file, substantially as illustrated in the drawings.

The clamping member consists of a narrow strip of tempered steel or other resilient material of the required strength. The strip is bent to form a loop 5 from which the ends of the strip extend in substantially parallel relation to each other, as indicated in Fig. 4 of the drawings. One end of the member is shown outwardly curved to form a rounded foot 6 the side edges of which at 7, 8 are shown rounded more smoothly to engage the inner surface of the ferrule when the member is pushed into position therein. The strip of material is at the other end of the member shown outwardly folded to provide a V-shaped groove 9 the side edges 10, 11 of which also are rounded smoothly to engage the inner surface of the ferrule when the member is seated therein, as best shown in Fig. 5 of the drawings.

The clamping member must be manually compressed somewhat in order to enter it into the ferrule and it is thereupon forced a distance thereinto. The tang A of a file of the size for which the device is made is pushed into the opening 15 and advanced therein until the pointed end B of the file tang enters the V-groove 9 of the member. Pressure is thereupon applied to the file until the tang becomes tightly locked in position between the side surface of the member and the inner surface of the ferrule.

Should it, however, be found that the file is not firmly held in position, it is merely required to withdraw the file, then to force the member a little further into the ferrule and to reinsert the file. The user soon develops the knack of properly positioning the member in the ferrule and it is important to note that the device will hold files with both straight and tapered tangs. The V-shaped groove 9 will guide the tang axially into the ferrule and maintain it in axial alinement therewith. It is to be understood that the handles should be made in sizes to hold files ordinarily used.

The ferrule must be made from steel or other material capable of withstanding the strain it is subjected to while the clamping member and file are pressed into position therein as well as the additional strain it is subjected to during filing operations. This relieves the handle of most of the strain and insures dependable service during the life of many files. The shape of the clamping member may be modified somewhat to accommodate file shanks of different shapes and sizes without departing from the spirit of the invention as set forth in the claims hereto appended. It may, for example, be made solid and the pressure manually applied in entering and seating the file depended upon to grip the tang of the file firmly. But it will in this case be more definitely limited to a particular size of file.

In the modification of Fig. 6, the front end of the ferrule 20 is shown outwardly folded to provide an external portion 21 tightly embracing the thin end portion 22 of the handle. This manner of reinforcing the handle may be found necessary in cases where a wooden handle is used, but where the ferrule is molded into a plastic handle, no such embracing ferrule is required.

I claim:

1. A file handle having a cylindrical recess in one end thereof, a cylindrical ferrule tightly seated in the recess, and a file tang clamping member seatable in the ferrule, the clamping member being resilient and U-shaped and manually compressible to enter the ferrule, the ends of the member engaging the inner surface of the ferrule, the file tang being insertable between the member and ferrule surface to press the member against the ferrule surface firmly to maintain the file in position.

2. A device as set forth in claim 1 in which one end of the member is shaped to receive and to grip the end of the file tang.

3. A device as set forth in claim 1 in which the clamping member is adjustable in the ferrule to hold file tangs of different shapes.

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