July 12, 1949. A. GASPARICH 2,475,608

FILE HANDLE

Filed Aug. 3, 1944

Fig. 1.

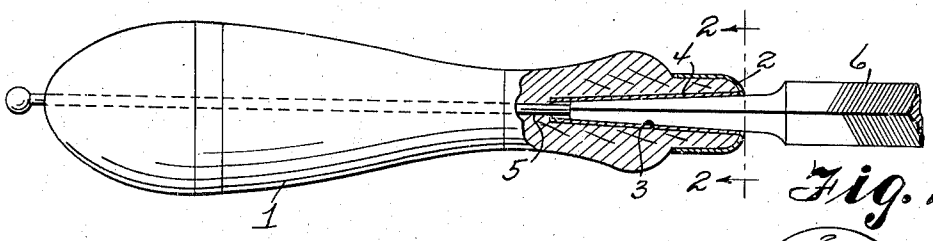
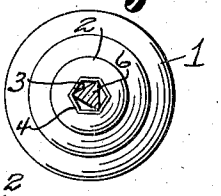


Fig. 2.

Fig. 3.



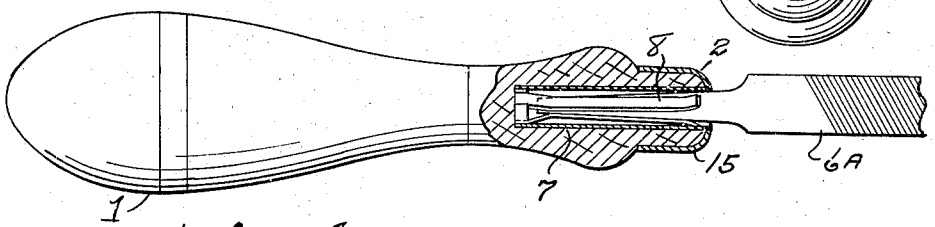
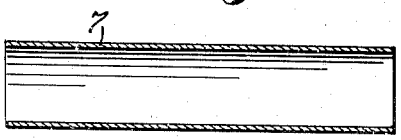


Fig. 4.

Fig. 5.



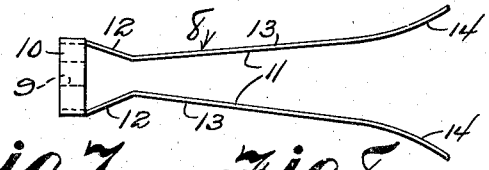
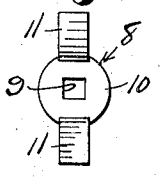
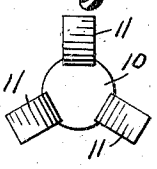


Fig. 6.

Fig. 7.

Fig. 8.





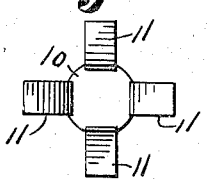
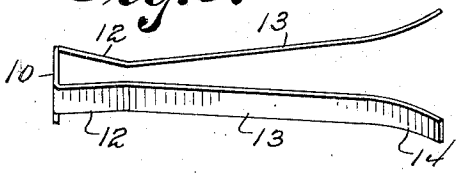


Fig. 9.



Anton Gasparich

INVENTOR.

BY

Victor J. Evans & Co.

ATTORNEYS

Patented July 12, 1949

2,475,608

UNITED STATES PATENT OFFICE

2,475,608

FILE HANDLE

Anton Gasparich, Oakland, Calif.

Application August 3, 1944, Serial No. 547,935

1 Claim. (Cl. 279—102)

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My present invention, in its broad aspect, relates to improvements in file handles, although it may be used as a handle for other tools as well; for instance, shoemaker awls, small carving tools and the like. More particularly, it is my purpose to provide a handle for files which will firmly grip the file and hold it straight and in the most efficient position, whether the file be a flat file, a square file or a three-cornered file, and easily removed.

My invention contemplates the use of a fully rounded, curved and fitted handle such as is most efficient in handling files. This handle is bored at the ferrule to receive a tube, which in turn houses a spring. The form of which is governed by the type of file to be mounted in the handle, for instance, for a flat file a flat spring with two spring arms is used; for a three-cornered file, a spring with three spring arms, and; for a square file, a spring with four spring arms. The ring ferrule may have hexagonal opening to hold a similarly shaped tube to accommodate all types of files, and means are shown for ejecting a file from this form. A hole is provided in case of flat file holders.

Among the principal purposes and objects of my invention are (1) to provide a simple, efficient and practical file holder with few parts, and no elements likely to become deranged, or to get out of order, or become broken; (2) to provide means for quickly assembling a file and handle, and; (3) to provide a desirable handle, and file holder assembly, which is comfortable to grip, and which will maintain a file in its most efficient position for work, and to be replaced.

Other and equally important objects and advantages will be apparent as the description proceeds, but emphasis is laid on the fact that changes may be made in the size, shape, form, arrangement, and construction of my invention without departing from my broad inventive concept.

In the drawings wherein I have illustrated my invention:

Figure 1 is a view of a form using a hexagonal tube and ferrule or rung, and wherein an ejector rod is used; the view is from the side and is partly broken away and in section;

Figure 2 is a view on the line 2—2 of Figure 1;

Figure 3 is a side view, partly broken away and in section showing the tube and spring arrangement for a flat file;

Figure 4 is a sectional side elevation of the tube;

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Figure 5 is a side view of a two-armed spring for flat files;

Figure 6 is an end view of the spring shown in Figure 5;

Figure 7 is an end view of a three-armed spring for three-cornered files;

Figure 8 is an end view of a four-armed spring for four-cornered files, and

Figure 9 is a perspective view of the type of spring shown in Figure 6.

In the drawings wherein like characters of reference are used to designate like or similar parts:

The numeral 1 designates the fully rounded, curved and fitted handle which may be of wood, and has an opening bored in the end about which is the ferrule and within which is the tool holder.

In Figures 1 and 2, I have shown a ferrule or ring 2 with a hexagonal opening 3 and behind which is a hexagonal tube 4, open at the bottom to communicate with a longitudinal bore in the handle to receive the file ejecting rod 5 which is used to push or force the file 6 from its position gripped in the tube 4.

In Figure 3, I have shown a handle formed with an opening to receive the tube 7, shown in Figure 4 and the two-armed flat spring 8, shown in Figures 5 and 6, for holding a flat file 6A. It is to be noted that this spring has an opening 9 in its base 10. The two arms 11 are similarly formed and are first bent angularly toward each other as at 12 then angularly out from each other as at 13 and finally each has a curved, flared part 14 at the open end. The ring or ferrule 15 holds the spring in place, and in some instances it may be soldered or brazed to the tube.

The forms shown in Figures 7 and 8 contemplate a three-armed spring as in Figure 7 and a four-armed spring as in Figure 8 accommodating respectively three-cornered and square files.

It is believed that the operation of my invention will be apparent from the foregoing, but it is emphasized that a file is firmly and properly grasped and positioned by the springs, and that my construction is simple and efficient.

While I have been very careful to describe and illustrate my invention with particularity in the foregoing, it is to be understood that the broad scope of my invention is only to be determined from the appended claim.

I claim:

In a tool holder for receiving a multi-sided tool shank and having a longitudinal opening in one end thereof, the combination of a cylindrical sleeve lining said opening, a resilient locking means in said cylindrical sleeve for releasably

holding the tool shank, said resilient locking means consisting of a flat anchor element, a plurality of base yieldable portions spaced equally about and extending from said anchor element, said portions converging toward each other, a pair of intermediate yieldable portions extending from said base yieldable portions in diverging relationship, curved end portions terminating said intermediate yieldable portions and forming yieldable guiding surfaces to facilitate entrance of the tool shank, all said portions being flat and of the same cross section and corresponding in number to that of the flat sides on the tool shank, and means anchoring said resilient locking means in said sleeve.

ANTON GASPARICH.

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