July 12, 1932. R. F. WALTERS 1,867,041

UPHOLSTERER'S TOOL

Filed Jan. 12, 1929

Fig. 1.

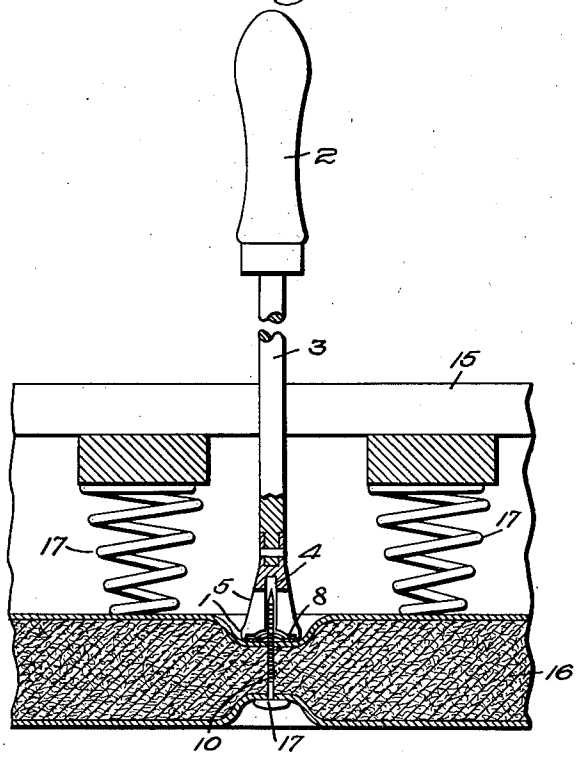


Fig. 2.

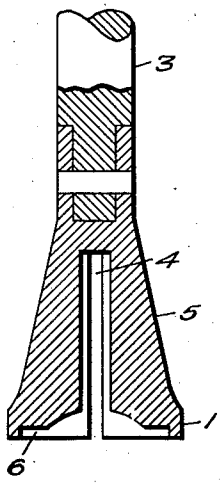


Fig. 3.

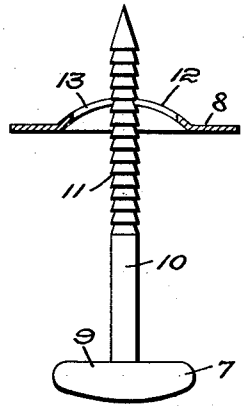
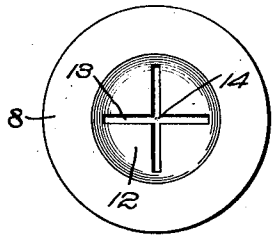


Fig. 4.



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UNITED STATES PATENT OFFICE

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UPHOLSTERER'S TOOL

Application filed January 12, 1929. Serial No. 332,121.

My invention aims to provide improvements in an upholsterer's tool particularly adapted for use in applying disc-like members of button assemblies.

In the drawing which illustrates a preferred embodiment of my invention:—

Figure 1 is a section taken through a portion of a seat cushion showing a button assembly being attached to the upholstery and showing my improved tool in the act of applying a flexible disc to a ratchet nail, the head of the tool being shown in cross-section;

Fig. 2 is an enlarged vertical section through the head of the tool;

Fig. 3 shows a button assembly, the disc being shown in cross-section; and

Fig. 4 is a plan view of the flexible disc.

Referring to the drawing which illustrates, a preferred embodiment of my invention and an example of its use, I have shown a tool having a head 1, a handle 2 and a shank 3 connecting the head 1 and handle 2, as best illustrated in Fig. 1. The head 1 is provided with means for holding a disc-like member and with a central bore 4 for receiving the shank of a nail or like device when securing the disc to the shank as hereinafter described.

In the embodiment of my invention illustrated by the drawing, I have shown the head 1 with an end substantially larger in diameter than the shank 3 of the tool. The metal tapers from the enlarged end to the diameter of the shank, thereby providing a smooth tapered portion 5.

The head 1 of the tool illustrated is magnetized and is split to provide two portions, one of which is a negative portion of the magnet and the other of which is a positive portion of the magnet. A recess 6 is provided in the end of the head 1 to receive the resilient portion of a disc-like member.

The fastener members with which the above described tool is most useful comprise a button member 7 and a disc-like member 8, shown in Figs. 1, 3 and 4. The button member 7 has a head 9, which may be made of any desired material and a shank 10 extending from the head. The shank is preferably roughened, and may have a series of annular shoulders 11, or teeth, or may be threaded, if desirable.

A disc-like member 8 is best shown in Figs. 3 and 4 and has a central boss portion 12 divided by intersecting slits 13 to provide a number of yieldable portions. These yielding portions permit passage of the shank 10 of the button member 7 through the aperture 14 (Fig. 4) provided at the intersection of the slits 13, and also engage beneath the annular shoulders, as shown in Fig. 3.

One of the best uses for my tool member is in attaching the fastener members to seat cushions. In Figure 1, I have shown a portion of a seat cushion comprising a frame part 15, a cushion portion 16 and springs 17 interposed between the frame part 15 and cushion portion 16.

In attaching, the fastener members are applied by pressing the shanks 10 of the button members through the cushion portion, so that the ends project at the inner side. Then, with the seat cushion and buttons supported on a suitable table or like support, the disc-like members 8 are applied by the aid of my tool member. To apply a disc-like member 8 it is merely necessary to place one of them against the head of the tool member, where it is held by the magnetism of the head, and then reach in between the springs and frame structure and force the disc-like member over the end of the shank 10, as shown in Fig. 1. Thus it will be apparent to those skilled in the upholsterer's art that I have provided a simple, useful tool which enables one to attach the discs 8 very easily and quickly when used in difficult and otherwise inaccessible places. The tapered head makes it easy to withdraw the head 1 from small holes and narrow places. The magnetic head permits ease of attachment of the discs 8 to the tool and permits release by merely withdrawing the tool after a disc has been attached to a shank.

While I have illustrated and described one form of my invention and one of its uses, I do not wish to be limited thereby, as the scope of my invention is best defined in the following claims.

I claim:

1. An upholsterer's hand tool having a handle, a shank extending from said handle, and a head at the end of said shank provided with means adapted to receive and hold a disc-like element of an upholstery button assembly and said head having a bore of substantial depth to receive the shank of a fastener member of the button assembly when the tool is used to press the disc over the shank of the fastener member.

2. An upholsterer's hand tool having a handle, a shank extending from said handle, and a magnetic head at the end of said shank recessed to receive and hold an apertured metallic disc-like element of an upholstery button assembly and said head having a central bore of substantial depth to receive the shank of a fastener member of the button assembly when the tool is used to press the disc over the shank of the fastener member.

3. An upholsterer's hand tool having a handle, a magnetic head and a relatively long shank connecting the head and handle, said magnetic head being tapered from a point where it connects with the shank to its outer end and said magnetic head having a recess to receive and hold an apertured metallic disc-like element of an upholstery button assembly and also having a central bore of substantial depth to receive the shank of the fastener member of the button assembly when the tool is used to press the disc over the shank of the fastener member.

In testimony whereof, I have signed my name to this specification.

ROLLO F. WALTERS.