M. D. DAVIS.

HAMMER.

APPLICATION FILED MAR. 4, 1922.

1,428,838. Patented Sept. 12, 1922.

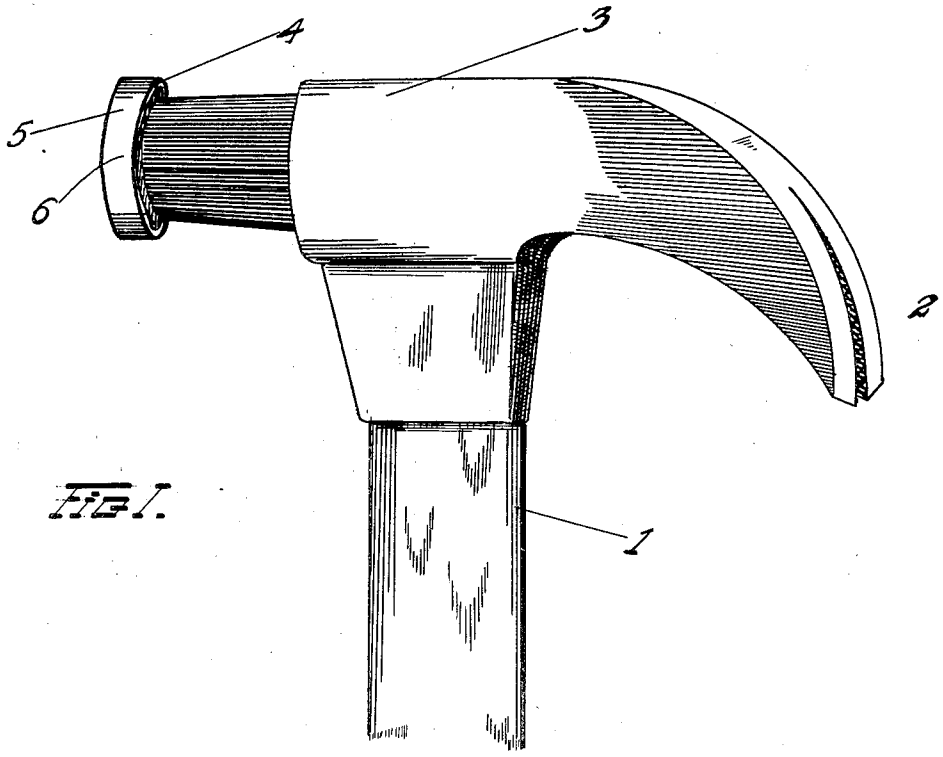


FIG. 1.

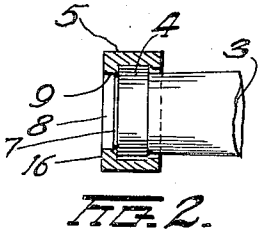


FIG. 2.

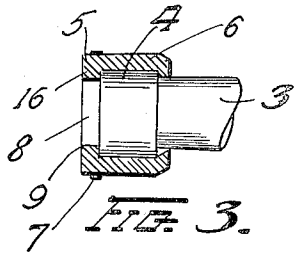


FIG. 3.

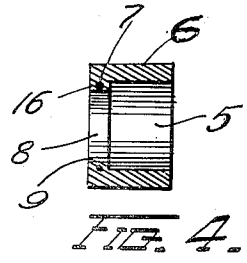


FIG. 4.

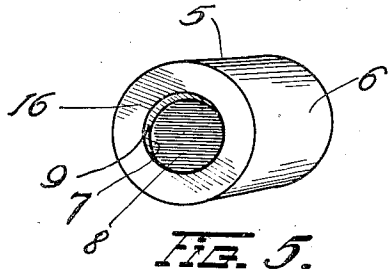


FIG. 5.

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UNITED STATES PATENT OFFICE.

MORTIMER D. DAVIS, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO GEORGE L. CASSIDY AND JOHN J. MURRAY, BOTH OF SPRINGFIELD, MASSACHUSETTS.

HAMMER.

Application filed March 4, 1922. Serial No. 541,212.

To all whom it may concern:

Be it known that MORTIMER D. DAVIS, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, has invented certain new and useful Improvements in Hammers, of which the following is a specification, reference being had to the accompanying drawing.

This invention refers to hammers and more particularly to a device for rendering the hammer useful in cases where the ordinary hammer would be liable to spoil the work. It has among its objects to provide a hammer head with a protector that will enable the hammer to be used on woodwork, upholstery, and places where a striking hammer head might injure; to provide such protector with means for preventing it from being torn if the hammer should slip off a nail; to arrange the device so that it can be used on any ordinary form of household hammer and have a construction that enables it to be readily manufactured and used.

Protectors have been provided for hammers in the past, but such have usually taken an impractical form, in that a special hammer was required for holding them. These forms did not anticipate the possibility of the hammer slipping on a nail and thereby becoming injured and of no further use. This invention avoids these difficulties by providing a protector that will form itself resiliently over the head of an ordinary household hammer, such as known as the bell faced hammer, and will allow the nails to be hammered without the hammer faces possibly coming into contact with the woodwork or other material which the nail is being driven in. The protector consists of a simple sleeve adapted to go over the head of the hammer and bind thereon. The front portion of the protector flanges in and has a central hole in it, to allow the face of the hammer to show and be ready for work. The edges of the hammer face are however covered so that no matter how hard the protector is struck on the work, the flange of the protector will act as a buffer between the face of the hammer and the work. A reinforcing ring is formed in the protector on or near the inside edge of the flanged portion. This ring reenforces the protector so that in case of a slip of the hammer the ring will take the stress and prevent the nail from tearing the edge of the protector. This reenforcing ring also assists in keeping the form of the central hole over the face, in the proper shape, and not become mashed out after ordinary use. The protector enables such work, as upholstery, flooring, furniture, and walls to be worked on, without marring the same when the nail is driven in.

In the drawings will shown by way of example a modification of this invention:

Figure 1, shows the protector embodying this invention, applied to a hammer.

Figure 2 shows a cross section through the protector and the hammer head on which it is mounted.

Figure 3 is a section of a modified form of protector.

Figure 4 is a sectional view of another form of protector.

Figure 5 shows a perspective view of the protector unmounted on a hammer.

Similar reference characters refer to similar parts throughout the drawings.

In the construction shown in the drawings, 1 represents a conventional form of hammer of the bell faced type. It has a hammer head provided with claws 2, a body 3 and a bell face 4.

Mounted on the face of the hammer is a protector 5, that consists of a sleeve 6 of cylindrical form adapted to embrace the bell-face portion of the hammer throughout its length. It has a front flange 16 adapted to butt against the face proper of the hammer head, and form a buffer in front of the hammer face. This flange portion has within its circumspection a hole 8 that allows the hammer face free access to a nail head over the greater area of its face. The protector is preferably of rubber but may be of other materials having a resilient body. On the inner surface 9 of the flange 16 is provided a ring of wire 7 or other reenforcement, which is preferably set near to the portion of the flange that comes into actual contact with the face of the hammer. In Figure 3 the modified form shows this ring on the outer surface of the sleeve, and in Figure 4 it is embedded in the rubber. This ring not only reenforces the protector but also enables it to keep its shape at the hole 8. In Fig-

ure 3 the end of the sleeve is slightly restricted to permit the sleeve to lock positively over the bell face, but in Figure 2 the form is such that the natural resiliency of the material will enable it to lock in more or less.

The protector is placed on the hammer head by pressing it over the bell-face until its flange sets against the hammer face. It is then ready for use. The nail to be struck is placed in position, and the hammer used on it by hitting it with the exposed portion of the bell face, when at the end of its movement, the nail goes into the wood and the protector face strikes the woodwork, becomes compressed and allows the nail to go entirely in, but keeps the face of the hammer itself from the woodwork. The soft face of the protector gives in, and absorbs the blow, that would otherwise injure the woodwork, but at the same time it allows the full blow to reach the nail and force it in.

While several modified forms of this invention are shown in the drawings, it is not desired to limit this application for patent to that particular form, nor in any other way, otherwise than limited by the prior art, as it is well understood that many modifications in the construction of the invention could be used that would employ the same principles and come within the scope of the appended claims.

Having thus described the invention what is claimed is:

1. A protector for hammer comprising in combination, a sleeve arranged for mounting on the hammer head, a flanged edge on the sleeve adapted to coact with the face portion and cover the outer edges thereof, and means for reenforcing the flange.

2. A protector of the class described comprising in combination an annulus of resilient material adapted to cover a portion of the face of a hammer head and allow ample space for hammering thereon, and means for resiliently holding the annulus on to the head of the hammer, and means for reenforcing the annulus.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

MORTIMER D. DAVIS.

Witnesses:
WILLIAM H. DAVIS,
A. P. CONNOR.