July 11, 1933. T. RESCH 1,918,135

ARTICLE OF MANUFACTURE

Filed April 15, 1931

Fig. 1.

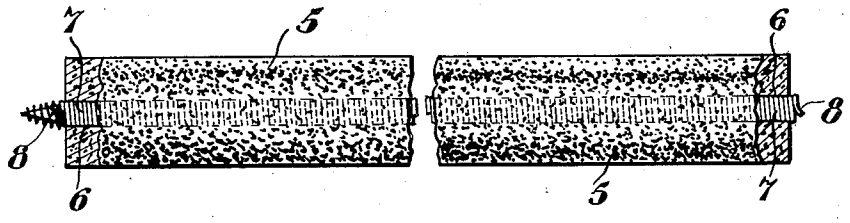


Fig. 2.

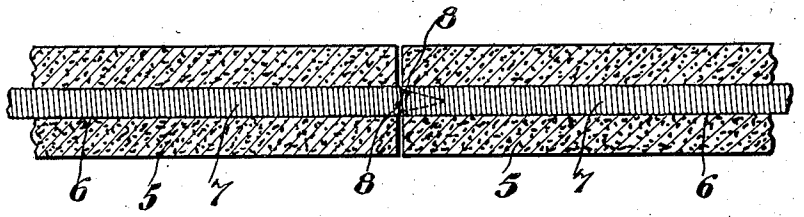


Fig. 3.

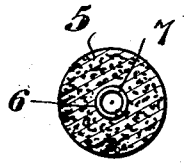
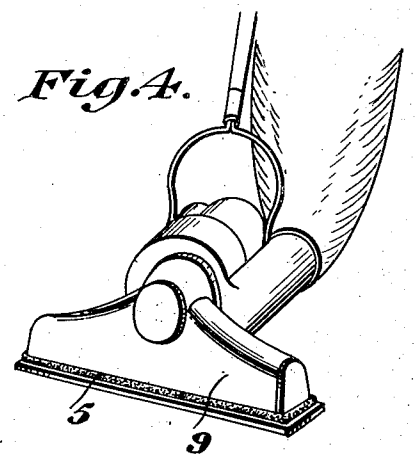


Fig. 4.



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UNITED STATES PATENT OFFICE

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ARTICLE OF MANUFACTURE

Application filed April 15, 1931. Serial No. 530,414.

The invention relates to an article of manufacture and more particularly to a material for use as a packing, belting, bumper, or for any purpose it may be adaptable for use.

The primary object of the invention is the provision of an article of this character, wherein the body thereof is made from sponge rubber compressible to repel water, moisture or air, of a shape and of the required length and cross-sectional size for the purpose intended and within this body is arranged a closely coiled spring, the latter being coextensive with the length of said body and its ends so arranged as to permit the detachable joining thereof or their detachable connection with a part, so that when the body is applied it will be under tension and secure, yet possessed of the requisite resilient qualities to assure expansion and contraction as the occasion may require, the article being novel of construction and capable of a variety of applications and accommodating itself to different uses.

Another object of the invention is the provision of an article of this character, wherein the spring within the body constitutes a core capable of expanding and contracting, the latter taking place after the stretching of this core while the body is flexible and resilient as well as expansible and contractible.

A further object of the invention is the provision of an article of this character, wherein the same is novel in its entirety and likewise in assembly to render it applicable for various uses under variable conditions.

A still further object of the invention is the provision of an article of this character, which is extremely simple in construction, thoroughly reliable and efficient wherever used, strong, durable, and inexpensive to manufacture and install.

With the above and other objects in view the invention consists in the features of construction, combination and arrangement of parts as will be herein-after more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawing:—

Figure 1 is an elevation of an article constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view of the same.

Figure 3 is a vertical transverse sectional elevation thereof.

Figure 4 is a perspective view of a vacuum cleaner of one standard make showing the invention applied thereto.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail the article comprises a body 5, preferably made from sponge rubber of a density so that when compressed it will repel water, moisture or air, and this body has a central bore 6 therethrough and opens through opposite ends, the body being of any required length and cross-sectional size, in this instance said body being round, yet it may be of any other contour, if found desirable.

Within the bore 6 in said body 5 is arranged a closely coiled spring 7 which is coextensive with the length of the body and one end of this spring is preferably formed with a tapered plug screw terminal 8, which initially protrudes slightly from the bore 6 at the ends of the body, so that the ends of the core may be detachably joined by tapping into the other terminal of the spring or detachably connected with a part to which the article may be applied for use.

When the ends of the spring 7 are joined together at their terminals or attached to a part then the body can be worked onto these terminals 8 and 8′ so as to conceal them, it being understood of course that in applying the article the spring 7 is stretched or expanded to give the required tension thereto before attaching the terminals to a part so as to maintain the body tight when applied and in this manner the extent of the latter between its ends will be held in place against displacement and at the same time taut.

In Figure 4 of the drawing there is shown a vacuum cleaner 9, to which is applied the article including the body 5 and the spring 7, which latter serves as an expanding and contracting core to said body as well as a re-

taining element for applying the article, and in this application the terminals 8 are joined together and the spring is expanded over the body of the cleaner so that the article will be firmly held in place thereon and function as a bumper for the said cleaner. The cleaner shown in Figure 4 of the drawing is merely for the purpose of illustrating one application for use of the article, as the latter is adaptable for many uses, for example as a packing, weather strip, belting, etc.

From the foregoing it is thought that the construction and manner of use of the article will be clearly understood and therefore a more extended explanation has been omitted for the sake of brevity.

What is claimed is:

An article of manufacture, comprising a body of sponge rubber having a central bore, a closely coiled expansible spring forming a core within the bore, and a connector for the terminals of the spring and accessible at the ends of the body.

In testimony whereof I affix my signature.

TONY RESCH.