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I. L. WOLKOW

2,022,449

HANDLE

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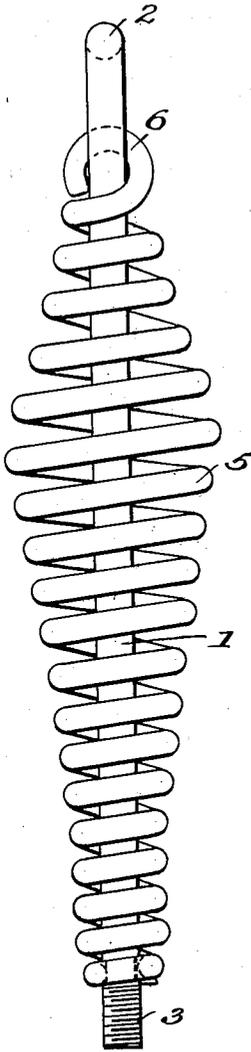


Fig. 1.

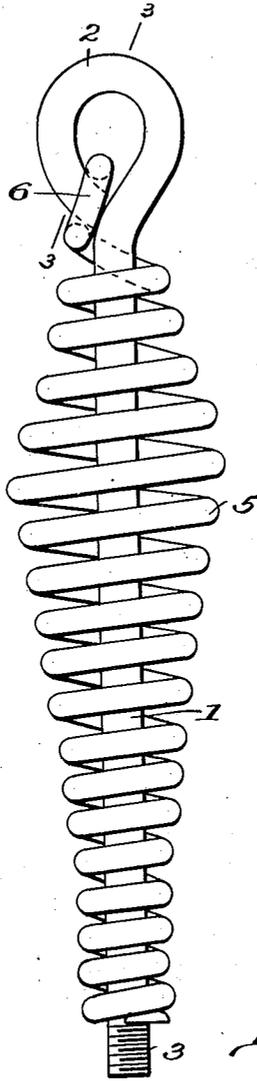


Fig. 2.

Fig. 3.

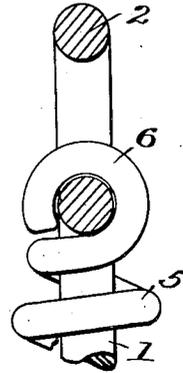


Fig. 4.

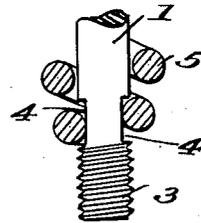
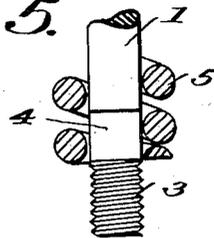


Fig. 5.



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## UNITED STATES PATENT OFFICE

2,022,449

HANDLE

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1 Claim. (Cl. 16—120)

My invention relates to new and useful improvements in handles and more particularly to a wire handle adapted for various uses, but in the present instance primarily intended for use on a hair straightening comb, the principal object of the invention residing in a novel arrangement or construction whereby a wire coil is connected to a stem in such a manner that the coil cannot rotate relative to the stem, the stem being provided with a threaded portion whereby the handle may be connected to the comb or other implement.

Another object of the invention resides in the formation of a handle of the character described including a stem adapted to be connected to the implement and a wire coil surrounding and enclosing the major portion of the stem and shaped to provide a hand grip, the stem and coil being provided with cooperating eye portions whereby they may be connected to prevent rotation of one relative to the other.

A further object of the invention consists in the provision of a handle including a stem having an eye formed at one end and threaded at the opposite end, and a wire coil surrounding the stem for a major portion of its length with one end engageable with flat portions on the stem adjacent the threaded end thereof and its opposite end formed with an eye in which is engaged a portion of the eye of the stem, the wire coil being shaped to form a ready hand grip and the connections between the coil and stem preventing rotary movement of one relative to the other.

With the above and other objects in view, which will appear as the description proceeds, my invention consists in the novel details of construction, and arrangement of parts, described in the following specification and illustrated in the accompanying drawing, and while I have illustrated and described the preferred embodiments of the invention, as they now appear to me, it will be understood that such changes may be made as will fall within the scope of the appended claim.

In the drawing:—

Fig. 1 is a front elevation.

Fig. 2 is a side elevation at right angles to Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 2.

Fig. 4 is an enlarged detail showing in side elevation the lower end of the stem forming a part of the handle with an end of the wire coil shown in section; and

Fig. 5 is a view similar to Fig. 4 taken at right angles thereto.

In the drawing 1 indicates a stem formed at one end with an eye 2 and threaded at the opposite end as shown at 3. Adjacent the inner end of the threads 3 the stem is flattened on opposite

sides or faces as shown at 4 and for a purpose which will be later apparent.

Surrounding the major portion of the stem 1 I provide a wire coil indicated at 5 which is of greater diameter intermediate its ends as shown more particularly in Figs. 1 and 2 of the drawing and shaped to provide a ready hand grip for the user of the implement to which the handle is connected. One end of the coil is flattened or squeezed inwardly to engage the flattened portions 4 of the stem 1 while the opposite end of the coil is provided with the eye 6 which is engaged with the eye 2 of the stem 1, as shown more particularly in Fig. 2 of the drawing, the end portion of the eye 2 passing into and through the eye 6.

I am aware that it is not new at this time to provide the flattened surfaces indicated at 4 on a stem forming a part of a handle to be engaged by a flattened or squeezed in end portion of a wire coil. However, so far as I am aware it is novel, with me, to form an end of a wire coil forming a part of a handle with an eye adapted to be engaged by an eye portion of a stem, this formation preventing rotation of the stem and coil one relative to the other. In instances where coils have been connected to or carried by stems it has been found that in use of the implement to which the handle is connected one will revolve or rotate relative to the other thereby preventing successful manipulation of the implement and at the same time causing wear of the parts. In the construction which I have provided there is no such tendency to revolve or rotate, the parts are held in their proper normal positions. While, as I have previously stated, my handle is primarily intended for use on hair straightening combs it will nevertheless be understood and appreciated that the handle might be used on various forms of implements such as household utensils, vacuum cleaners, electric devices, and other articles. Preferably the opening of the eye 6 of the coil 5 will be of a diameter equal to that of the diameter of the stem so as to prevent little or no play between the connection.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is:—

A handle of the character described including a stem folded back upon itself at one end to form a closed loop, a coil surrounding said stem having an end convolution bent to form a closed eye extending substantially parallel with the longitudinal axis of the stem and interlocking with said loop at the base thereof to prevent relative movements of said stem and coil.

ISAAC LEO WOLKOW.