

L. DAHLGREN.

CUFF LINK.

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1,060,066.

Patented Apr. 29, 1913.

Fig. 1.

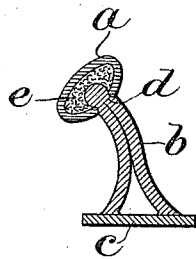
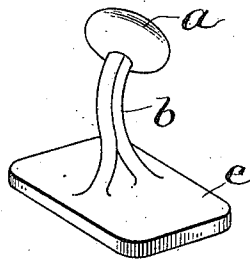


Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

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CUFF-LINK.

1,060,066.

Specification of Letters Patent.

Patented Apr. 29, 1913.

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To all whom it may concern:

Be it known that I, LEONARD DAHLGREN, a citizen of the United States, and resident of Attleboro, in the county of Bristol and State of Massachusetts, have invented new and useful Improvements in Cuff-Links, of which the following is a specification.

This invention relates to the manufacture of jewelry, and particularly to articles of jewelry comprising a post, stem or shank, to which is attached a hollow head or knob, such as cuff links, hat pins, buttons, etc.

While the invention is susceptible of application generally to articles of this character, it is particularly adaptable to "bean-end" cuff links, so-called, and as such adaptation admirably illustrates the invention, I will address my description to an embodiment of the invention in a "bean-end" cuff link; it will be understood, however, that my invention is by no means limited to such specific embodiment but is applicable to the general class of articles already indicated, and such general application is contemplated by the claims.

In the accompanying drawings which illustrate one embodiment of the invention,—Figure 1 is a perspective view of a "bean-end" cuff link containing the invention; and Fig. 2 is a longitudinal, central section through the cuff link shown in Fig. 1.

Referring to the drawings, *a* represents the "bean-end" or head of a cuff link; *b* represents the post or shank; and *c* represents the plate or front, at the end of the post opposite the "bean-end." The "bean-end" *a* is formed from a blank made of a single piece of metal stock, by any of the methods now employed in the art, thus forming a hollow head, and is swaged on to the end of the post *b* constricting the post *b* slightly where it enters the "bean-end" as shown at *d*, thereby securely holding the "bean-end" in place without the use of solder. The post *b* as herein shown, is formed of a piece of metal wire bent or folded upon itself in the form of a loop, the looped end being held within the "bean-end" and the free ends being separated a little and firmly soldered to the front *c*. In

the process of manufacturing cuff links of this character, after the "bean-end" *a* has been swaged on, and the front *c* soldered on, the article is cleaned by being washed with a suitable acid, such as nitric acid. As the end *a* is secured to the post without solder there is always danger that there may be a slight leakage between the "bean-end" and the post, through which the acid will enter. It is found in practice that the acid will find its way through a hole so minute that it is not discernible except from the results of such leakage. If even a small quantity of the acid enters the "bean-end" it will in the course of a few hours again work its way out through the hole, discolor the outside of the article, and render it unmarketable. To avoid this, I fill the hollow "bean-end" with an absorbent material which will take up any acid that leaks into the "bean-end" and prevent it from again issuing therefrom. This absorbent material must also be non-combustible, or sufficiently heat-resisting so that it will not burn or char when the article is subjected to the heat of soldering when the front *c* is attached to the stem or post; and it must also be a material not injuriously affected by the acid. I have found that asbestos is a material admirably adapted to the purpose, as the asbestos fibers are absorbent, and noncombustible and are not eaten or injured by the acid. This filler, shown at *e*, may be cut or punched from sheet asbestos, in a shape to fit the interior of the "bean-end," and inclosed therein when the hollow "bean-end" is formed from the blank. Heretofore a substantial portion of all such goods manufactured, have been rendered unsalable by the acid leaking out and discoloring the post and under side of the "bean-end," and have had to be dismembered and made over again, with obvious loss to the manufacturer. By the use of my invention an article is produced in which there will be no loss from the leaking out of the acid.

I claim:

1. As a new article of manufacture, a stem, a hollow head provided with an aperture through which said stem projects,

and a filler of absorbent heat-resisting material within said head adapted both to take up any acid which may leak in through said aperture and withstand heat during the
5 process of manufacturing said article.

2. As a new article of manufacture, a cuff link comprising a post, a hollow "bean-end" swaged on to the end of the post, and a

filler of asbestos fibers within said "bean-end."

Signed by me at Providence, Rhode Island, this 12th day of July 1912.

LEONARD DAHLGREN.

Witnesses:

ARCHIBALD C. MATTESON,
WILLIAM J. BROWN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."