(No Model.)

# G. W. McGILL.

## PIN AND STUD.

No. 285,641. Patented Sept. 25, 1883.

*fig. 1.*

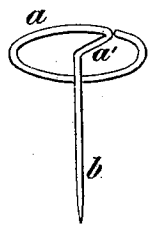



*fig. 2.*

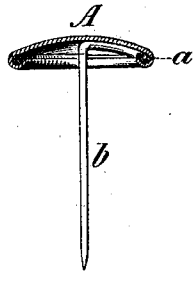



*fig. 3.*

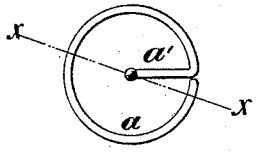



*fig. 4.*

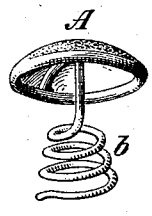
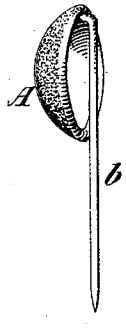



*fig. 5.*




WITNESSES:

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# UNITED STATES PATENT OFFICE.

GEORGE W. McGILL, OF NEW YORK, N. Y.

## PIN AND STUD.

SPECIFICATION forming part of Letters Patent No. 285,641, dated September 25, 1883.

Application filed July 31, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. McGILL, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in the Construction of Scarf and Tidy Pins, Studs, and such like Articles; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, making part of this specification, and to the figures and letters of reference marked thereon, in which—

Figure 1 is a vertical section of the shank of the pin with its head bent in form to receive a flat metal cap. Fig. 2 is a vertical section of the pin, having a convex cap closed upon its loop, and drawn on the line *x x* of Fig. 3, which represents a bottom view of the same. Fig. 4 is a perspective vertical view of a capped pin, having its shank twisted spirally to form a screw-stud; and Fig. 5 is a similar vertical view, showing the capped head of the pin turned over a line parallel with its straight shank to form a scarf or tidy pin.

The object of my invention is to provide a secure, simple, and cheap mode of attaching together the head or cap and shank of the pin.

The article is constructed as follows: A piece of wire of suitable size has one of its ends bent or fashioned to form a ring or loop, *a*, and its other portion bent down therefrom to form a shank or penetrating portion, *b*, terminating in a pin-point, as shown in Fig. 1. The wire thus fashioned is placed in an ordinary button-capping machine, and a metallic cap, A, is placed over its ring end and closed thereon in the ordinary manner, the wire forming the ring or loop being closed in the folded-in edge of the cap, as shown in Figs. 2, 4, and 5. In fashioning the ring or loop to be capped, the wire forming the shank *b* may be brought back for a distance within the loop before being bent down, as shown at *a'* in Fig. 1, and the portion *a'*, where a convex cap is used, may be bent up to support the cap, as shown in Figs. 2 and 4; or it may be bent outward from the loop *a*, when the shank *b* is bent over parallel with the loop, as shown in Fig. 5, and the shank may be bent down at a right or other angle from the loop *a*, or twisted spirally therefrom in the manner shown in Fig. 4; or it may be given a serpentine or other twist, and the loop *a* may be given a square or other form to fit and receive a similarly-formed cap without avoiding my invention, which relates to the manner in which the cap and its pin-shank are connected.

What I claim as my invention, and desire to secure by Letters Patent, is—

A pin or stud consisting of a pin-pointed shank, *b*, having an angular neck, *a'*, and a closed loop, *a*, of the form of the metallic cap, made of one continuous piece of wire, in combination with such cap, which is upset or closed over the looped head, substantially as set forth.

GEO. W. McGILL.

Witnesses:

HENRY SCOTT,

FRANK S. SCRIMGEOUR.