G. STACH.

PIN FASTENER.

APPLICATION FILED MAR. 29, 1909.

950,031. Patented Feb. 22, 1910.

Fig. 1.

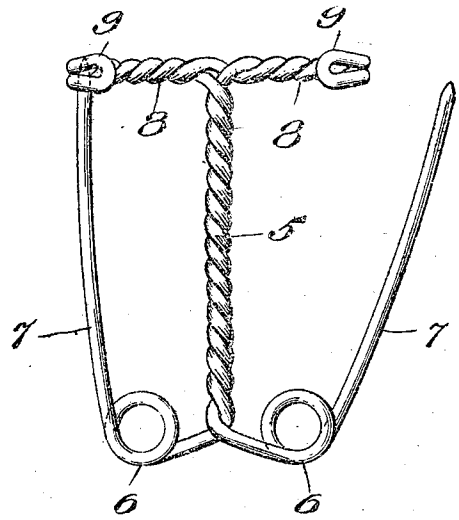
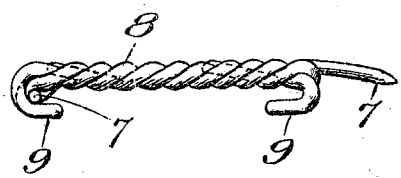


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GOTTLIEB STACH, OF SPRINGFIELD, ILLINOIS.

PIN-FASTENER.

950,031. Specification of Letters Patent. Patented Feb. 22, 1910.

Application filed March 29, 1909. Serial No. 486,443.

To all whom it may concern:

Be it known that I, GOTTLIEB STACH, a subject of the Emperor of Germany, residing at Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Pin-Fasteners, of which the following is a specification.

This invention relates to that class of pin fasteners commonly known as "safety pins," and its object is to provide a novel and improved device of this kind characterized by a pair of pins, thus increasing the utility of the device, and enabling it to be used where an ordinary safety pin would be insufficient.

The invention also has for its object to provide a fastener of the kind stated which may be formed of a single piece of wire, the guards of the pin points being also formed of the same piece of wire.

With the above stated objects in view, the invention consists in a novel construction and arrangement of parts to be hereinafter described and claimed, reference being had to the drawing hereto annexed forming a part of this specification, in which drawing—

Figure 1 is a plan view of the invention. Fig. 2 is an end view.

Referring more particularly to the drawing, 5 denotes a shank having at one end coils 6 forming resilient joints for the pins 7. From the opposite end of the shank project laterally and in opposite directions, arms 8, which are formed at their extremities with guards 9 for the points of the pins.

The device herein described is formed of a single piece of wire which is first folded upon itself at two points intermediate its ends, after which a portion of the two ends of the wire is twisted around that portion of the wire between the folds to form the arms 8. At the inner ends of the arms, the two ends of the wire are again twisted together and extended at right angles with respect to the arms to form the shank 5. The two ends of the wire are next bent laterally and in opposite directions from the shank, and formed into the coils 6, and finally bent in the direction of the arms 8 to form the pins 7. The guards 9 are formed by bending the two ends of the wire forming the arms 8 into hooks having their bills presented in the direction of the shank 5. The normal tendency of the pins, by reason of the coils, is to spring outwardly from the shank, whereby they are securely held by the hooks forming the guards, when slipped thereinto.

The device herein described can be easily and cheaply manufactured, and by doubling and twisting the wire together to form the shank and the arms, said parts are given the necessary stiffness, and I am therefore enabled to construct the device of a single piece of wire.

I claim:

A pin fastener comprising a single piece of wire doubled and twisted together to form oppositely extending arms formed into guards at their outer ends, the two ends of the wire being brought together at the inner ends of the arms and extended to form a shank from which the arms extend, said ends forming the shank being also twisted together, and each end terminating in lateral bends formed into coils, the remaining ends of the wire being bent from the coils in the direction of the arms to form pins, the points of which are engageable with the guards.

In testimony whereof I affix by signature in presence of two witnesses.

GOTTLIEB STACH.

Witnesses:
B. GENAUST,
M. KAISER.