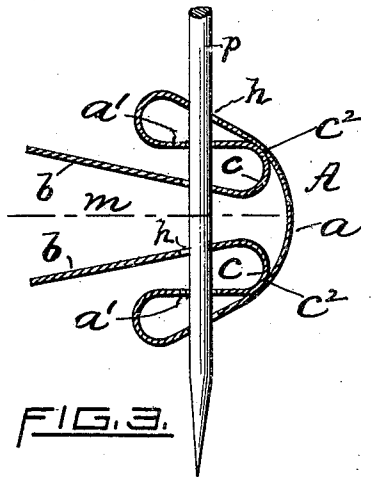
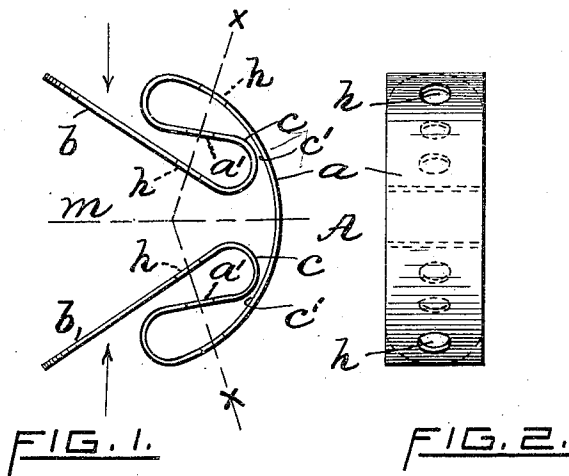


F. S. REYNOLDS.
SAFETY ATTACHMENT FOR SCARF PINS.
APPLICATION FILED JULY 6, 1909.

942,517.

Patented Dec. 7, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRED S. REYNOLDS, OF CRANSTON, RHODE ISLAND, ASSIGNOR TO CORY & REYNOLDS COMPANY, OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF RHODE ISLAND.

SAFETY ATTACHMENT FOR SCARF-PINS.

942,517.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed July 6, 1909. Serial No. 505,967.

To all whom it may concern:

Be it known that I, FRED S. REYNOLDS, a citizen of the United States, residing at Cranston, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Safety Attachments for Scarf-Pins, &c., of which the following is a specification.

This invention relates to protectors or safety devices adapted to be detachably secured to the shanks of scarf-pins and analogous articles for the purpose of preventing accidental loosening or withdrawal of the shank or pin member, and it consists of a narrow strip of resilient metal constructed and fashioned to a novel form, all as more fully hereinafter set forth and claimed.

The object sought to be attained is to produce in an inexpensive manner a safety attachment of the character referred to possessing a greater degree of holding capacity and efficiency as compared with articles of this class heretofore devised.

In the accompanying sheet of drawings, Figure 1 represents, in enlarged scale, a front elevation of my improved safety attachment, normally expanded or open. Fig. 2 is a corresponding side or edge view, and Fig. 3 is a front sectional view showing the device frictionally attached to the stem or shank portion of a scarf-pin.

The device, A, forming the subject of this application for patent, is a one-piece structure produced from a thin, narrow strip of resilient or spring metal. The strip is bent to form the central substantially semi-circular front or bow member a of the body, its two end portions thereof being oppositely disposed and bent inwardly to form the elongated S-shaped connections a^1 , terminating in the rearwardly extending oppositely inclined or flaring members b ; the latter being adapted to be seized and compressed between the thumb and forefinger when the device is to be manipulated for the insertion or withdrawal of the pin.

The inner bend or loop c of each member a^1 lies normally contiguous to the back of the adjacent portion of the bow a , as indicated at c^1 , Fig. 1. It will be seen that the stock of the upper and lower portions of the device is bent so as to provide each of said portions with three laterally separated thicknesses or plies of the metal. These are provided with holes h , normally

in substantial alinement the axes of which extend at substantially right angles to the inclined plane of the extension or handle member b . The axes of the two sets of holes are not normally in alinement, but are less than 180° apart, as indicated by broken lines $x x$, Fig. 1. The diameter of the said holes is or may be uniform for all, the size being adapted to freely receive therethrough pin-stems varying in thickness. Obviously, however, the stem cannot pass directly through both the upper and lower portions of the device unless the latter be first temporarily compressed in the arrow direction, Fig. 1, for its insertion.

A peculiar or novel feature of the present device resides in disposing its parts so that upon compressing the two members b with sufficient force the loops c will snugly engage the respective portions of the arch or bow, as indicated at c^2 , Fig. 3, and operate as fulcra, in coöperation with the connections a^1 , to forcibly draw or swing the outer ends of the bow toward each other until the two series of holes h are in substantial alinement, the two members b then being say in a nearly horizontal position. In this position the pin or shank p may be readily inserted or withdrawn. Upon releasing the spring arms or members b the normal reaction or resiliency of the device instantly opens or expands it and causes the edges of the respective holes to snugly grip the adjacent portion of the inserted pin, as clearly shown in Fig. 3, the leverage of the parts c and a at the points c^2 of contact at the same time serving to further increase the holding capacity of the device upon the pin.

It will be seen that the device A comprises upper and lower portions disposed with respect to a central or median line m . Each of the said portions consists of three laterally separated plies or thicknesses having the said holes h therethrough. The arrangement of the members or parts is such that the device is equally efficient and operative when in an inverted position.

I claim as my invention and desire to secure by United States Letters Patent:—

1. As an improved article of manufacture, a one-piece protector or safety device for the stems of scarf-pins and analogous articles, the same consisting of a resilient bow member having oppositely disposed rearwardly extending upper and lower portions,

each portion being bent and comprising three laterally separated plies of the stock having holes therethrough and terminating in a handle or grasping part, the major portion of said bow part being forward of the axes of said holes while the said handle part extends rearwardly from said axes, and having the holes of the said upper and lower portions arranged to substantially register with one another to receive a pin when the said portions are sufficiently compressed or sprung toward each other.

2. In a device of the character described, a strip of spring-metal bent to produce a bow part having rearwardly projecting oppositely disposed end portions, each of the latter having the metal further bent and extending forwardly to or nearly to the back of the bow and then reversely bent and projecting rearward to produce a grasping element, and having the metal or plies comprising each of said end portions provided with holes normally inclined to the central or median line of the device.

3. In a device of the character described, a strip of spring-metal bent to produce a bow part having rearwardly projecting oppositely disposed suitably apertured end portions, the metal of each of said portions being bent and extended forwardly to produce a loop terminating in a rearward handle or grasping element, and having said loop parts arranged and adapted to simultaneously engage the bow and forcibly draw said end portions toward each other from the normal or expanded position upon suitably pressing or manipulating the handle elements, thereby contracting the distance lying between the latter and causing the several apertures to be substantially alined to receive the stem or shank of a pin, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses.

FRED S. REYNOLDS.

Witnesses:

GEO. H. REMINGTON,
CALVIN H. BROWN.