No. 872,221. PATENTED NOV. 26, 1907.

A. U. BRIGHT.

FASTENER.

APPLICATION FILED MAY 31, 1906.

FIG. 1

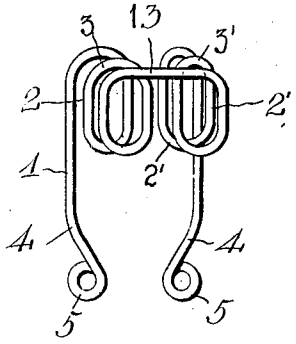


FIG. 2

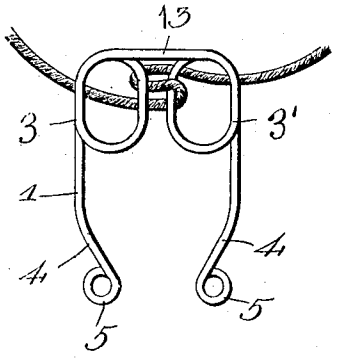


FIG. 3

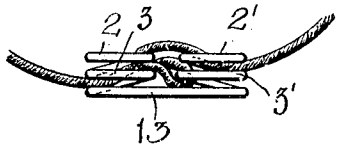
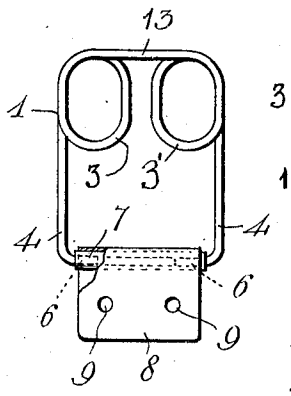


FIG. 5

FIG. 4



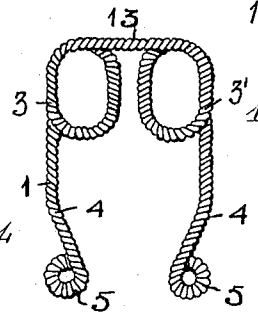
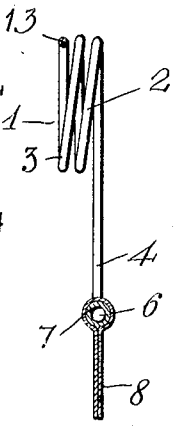


FIG. 6



Witnesses

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FASTENER.

No. 872,221. Specification of Letters Patent. Patented Nov. 26, 1907.

Application filed May 31, 1906. Serial No. 319,640.

To all whom it may concern:

Be it known that I, ALLEN U. BRIGHT, a citizen of the United States, residing at Anadarko, in the county of Caddo, Oklahoma Territory, have invented certain new and useful Improvements in Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in fastening devices.

The object of the invention is to provide a device of this character by means of which the end of a string may be securely fastened, thereby obviating the necessity of tying the string.

Another object is to provide a fastener for securing the ends of strings and the like which will be simple, strong and durable in construction, and which may be formed from a single piece of wire bent in the required shape for securely holding the end of the string.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is an enlarged, perspective view of a fastener constructed in accordance with the invention; Fig. 2 is a plan view of the same, showing a string connected thereto and fastened thereby; Fig. 3 is an upper end view, showing the manner in which the string is caught between the coils of the fastener; Fig. 4 is a plan view, showing a modified form of attaching device for the fastener; Fig. 5 is a central, vertical sectional view of the same; and Fig. 6 is a plan view of the fastener, showing the same formed of twisted wire.

Referring more particularly to the drawings, 1 denotes the fastener, which is constructed from a single piece of wire bent into an approximately U-shaped loop with a double series of fastening coils arranged side by side within said loop at the inner ends of the legs thereof and connected together at their ends by an integral cross bar 13, arranged in a plane beyond said legs as shown. The ends of the wire after completing the lower or first coils 2, 2′ are extended downwardly and inwardly to form fastening arms or legs 4 on the outer ends of which are formed attaching eyes 5 by means of which the fastener may be sewed or otherwise secured to the article to be tied.

In Figs. 4 and 5 of the drawings is shown a slightly modified arrangement of the securing devices. In this instance, the attaching arms 4 are bent inwardly at their lower ends to form lugs 6 upon which is arranged a connecting sleeve 7. On the sleeve 7 is arranged an attaching plate 8, said plate being doubled or folded upon itself over the sleeve 7, as shown, the ends of the plate being brought together below the lugs 6 and sleeve 7 where said ends are provided with attaching eyes or openings 9 through which this form of fastener may be riveted or otherwise secured to the article to be tied. In using the device to secure a string, as shown in Figs. 2 and 3, the end of the string to be fastened is first carried under the lower pair or first loops 2, 2′ of the adjacent coils and between the lower faces thereof, and the upper faces of the attaching arms 4, after which, said string end is carried over and beneath the first loop 2, and the second loop 3 at one side, then back between the first loop 2′ and second loop 3′ at the other side, when a slight pull is given the end of the string, which securely binds it between said coils. A fastener of this character is particularly adapted for use in connection with shoes, leggings, gloves, pads or any other article held on by a string or cord, thereby obviating the necessity of tying the ends of the string or cord, said ends being simply caught beneath the coils of the fastening devices as hereinbefore described.

In Fig. 6 of the drawings is shown a slightly modified construction of the device. In this instance the fastener is shown as being formed of two strands of wire twisted together. The twisted construction of the wire will materially aid in holding the ends of the string to be fastened.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the prin-

ciple or sacrificing any of the advantages of this invention, as defined by the appended claims.

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

An approximately U-shaped cord fastener having two laterally extending coils projecting from the inner ends of the legs thereof and disposed side by side in close proximity with the outer convolutions of said coils connected and arranged in a plane beyond said legs and fastening means carried by said legs.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALLEN U. BRIGHT.

Witnesses:
WILLIAM T. CLARK,
WALTER RAMSEY.