C. F. MIERS.

SHOE LACE FASTENER.

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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Witneses
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By

THE KERR PETROS CO., PHOTOLITH., WASHINGTON, D.C.
To all whom it may concern:

Be it known that I, CHARLES FULLER MIERS, a citizen of the United States, residing at Ager, in the county of Siskiyou, State of California, have invented certain new and useful Improvements in Shoe-Lace Fasteners; and I do hereby 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 shoe-lace fasteners; and it has for its object to provide a fastener in the form of a hook having a stem for engagement with the shoe, and which fastener is provided with wedge-shaped recesses, with which the lace may be engaged to hold it securely in proper position.

In the drawings forming a portion of this specification, and which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view showing a fastening embodying the present invention. Fig. 2 is a top plan view showing the blank from which the fastening is formed, the lines of fold of the wings being indicated in dotted lines. Fig. 3 is a front elevation of the fastening. Fig. 4 is a side elevation showing the shoe-lace engaged.

Referring now to the drawings, the present fastening, which is in the form of a hook, includes a hollow or tubular stem 5, at the upper end of which is a continuous radiating flange 6, which at one side of the stem is extended in the form of a flat finger or plate 7, which is bent upon itself to form the bill 8 of the hook, which extends back over and slightly beyond the tubular stem in a direction divergent to the attached end portion of the finger, as illustrated.

At the end or bight portion 9 of the hook the metal is formed rounding or in the form of a cylinder divided in the plane of its axis. The edges of the flange 6 at the sides of the stem are bent upwardly at right angles to the remaining portion of the flange and to the bill of the hook, beneath which latter they lie, and these upturned portions of the flanges form arc-shaped webs, between which and the bill of the hook are narrowed throats which lead to that portion of the inclosure of the hook adjacent to the bight of the latter.

To attach the hook to the material of the shoe, the tubular stem is forced through the material of the shoe or engaged with a previously-formed perforation therein, after which the lower end of the stem is flared or riveted in the usual manner.

In the use of the hook or fastening the shoe-lace is moved laterally into engagement with the hook between the bill and the webs therebelow and is moved beyond the narrowed portions of the throats and into the socket thereof, the dimensions of the socket portions being such that the lace is firmly wedged therein, it being noted that in order for the lace to move out of the socket portion it must pass through the narrowed portions of the throats, which it cannot do without being subjected to strain.

It will be noted from the above description that there is provided a hook or fastening which may be manufactured at an extremely low price, which may be easily formed by automatic machinery, and which is efficient in its operation.

What is claimed is—

1. A shoe-lace fastener comprising a stem having a hook projecting therefrom and lying with its bill transversely above the stem, and arc-shaped webs projecting upwardly from the stem, toward and beneath the bill.

2. A shoe-lace fastener comprising a stem having a continuous flange at one end, said flange at one side of the stem being continued to form the lower member of a hook lying with its bill above and transversely of the stem, the flange radiating from the stem and the sides of the radiating portions being bent upwardly in the direction of the bill of the hook and forming thereby arc-shaped webs projecting from the stem which lie in spaced relation with the said bill of the hook.

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

CHARLES FULLER MIERS.

Witnesses:

E. W. Nolan,
Geo. D. Butler.