

(No Model.)

M. N. BAILEY.
LACE FASTENER.

No. 415,433.

Patented Nov. 19, 1889.

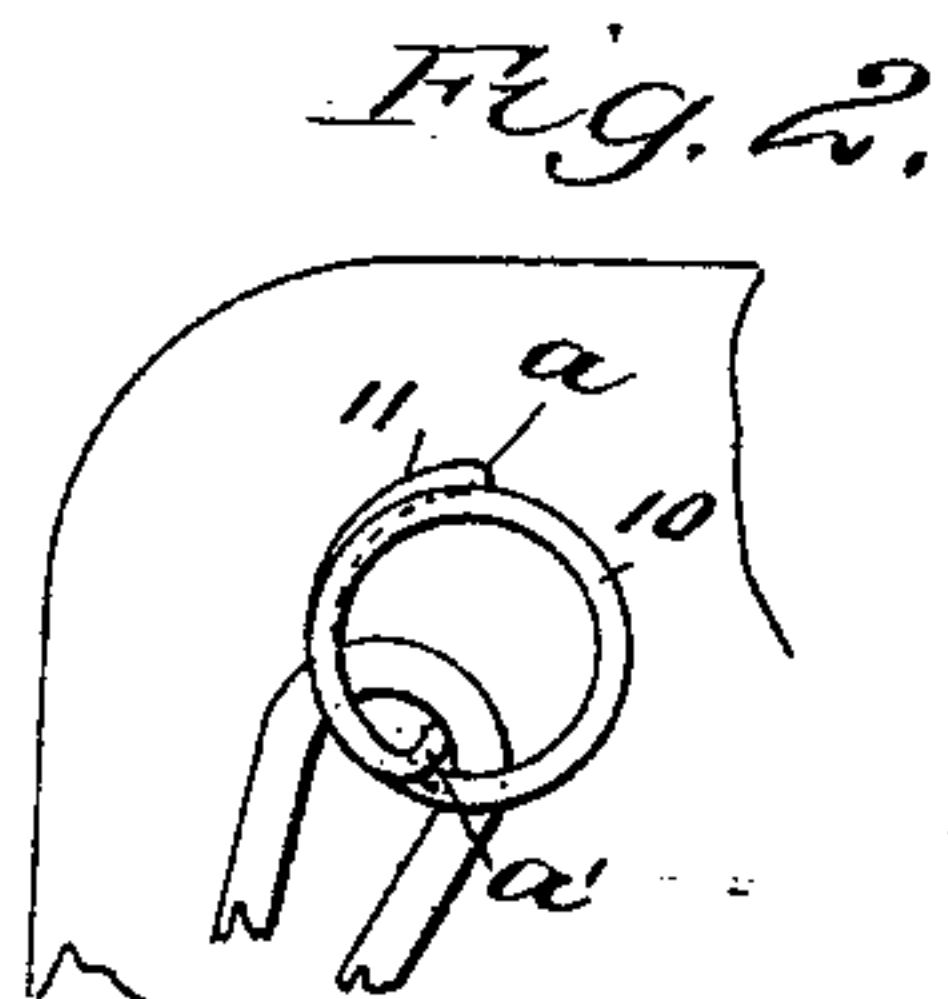
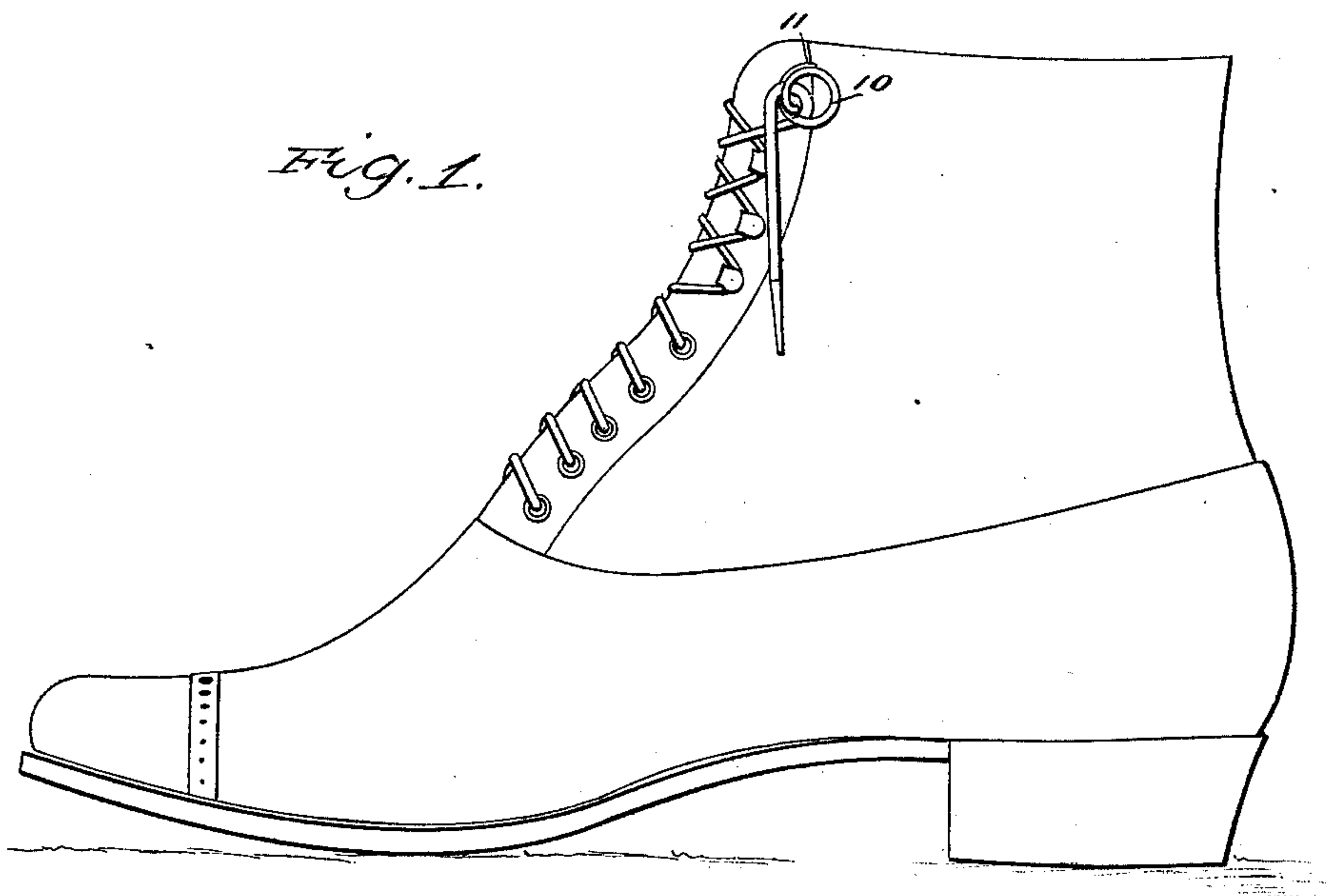
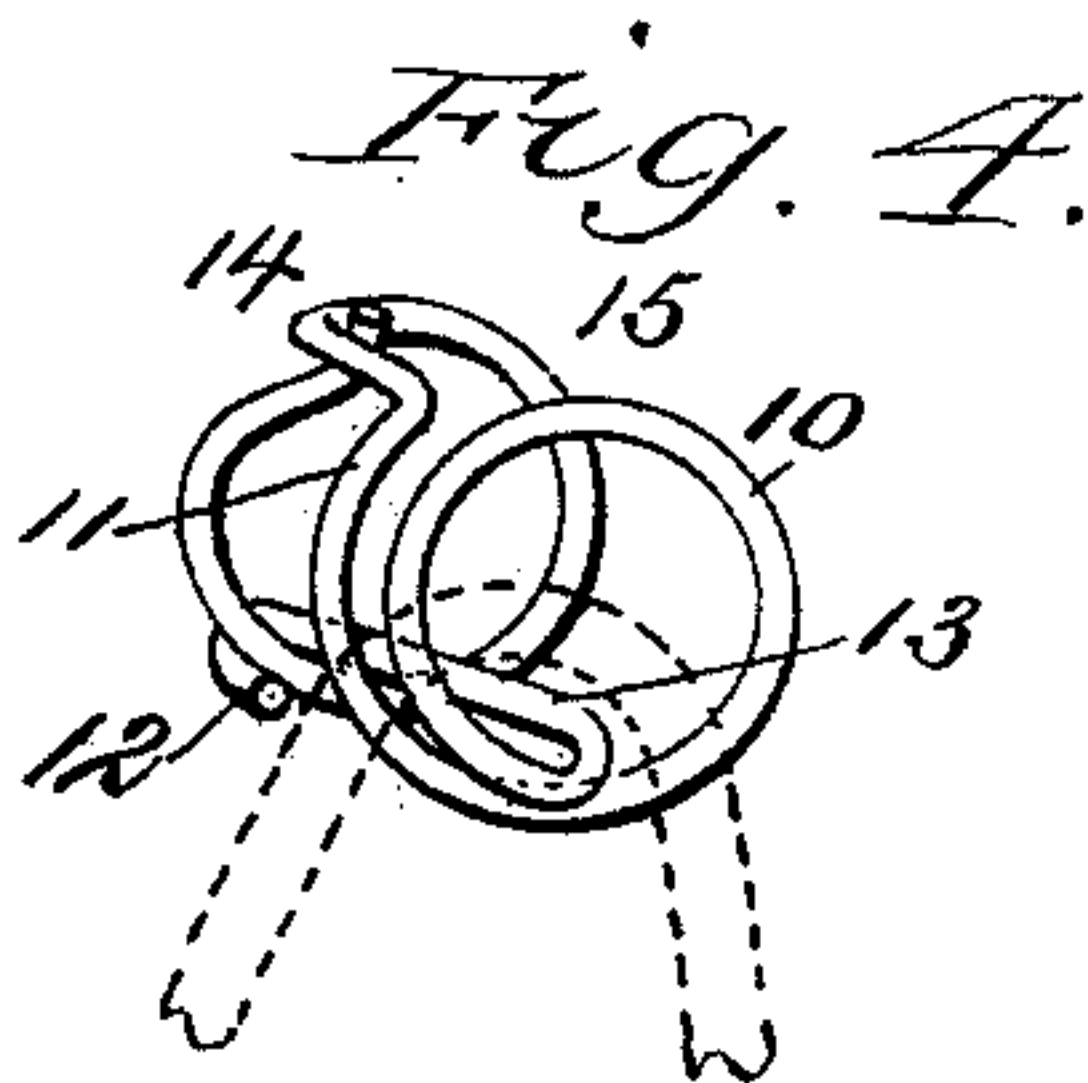
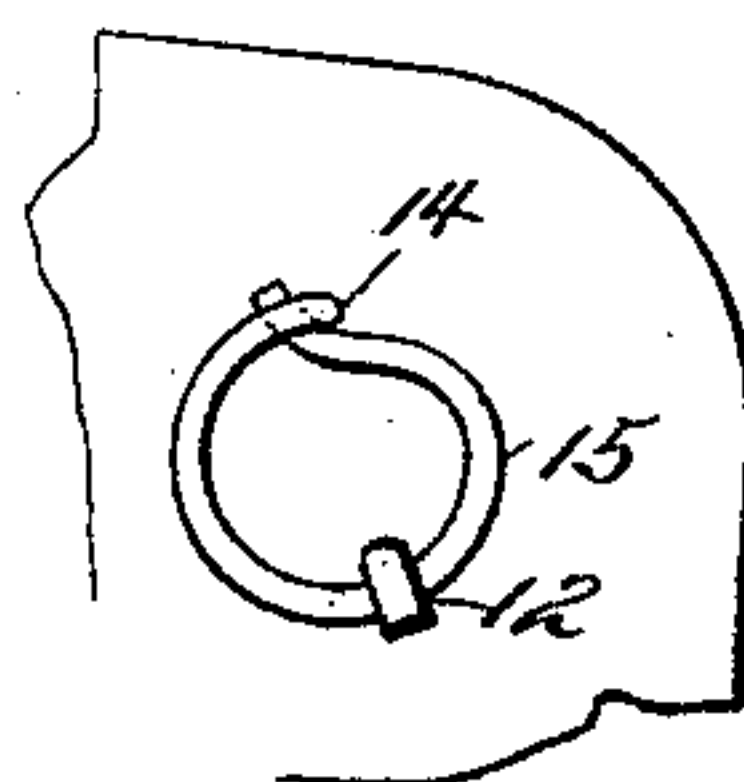


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARTIN N. BAILEY, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND ROBERT
H. PORTEOUS, OF SAME PLACE.

LACE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 415,433, dated November 19, 1889.

Application filed June 4, 1889. Serial No. 313,061. (No model.)

To all whom it may concern:

Be it known that I, MARTIN N. BAILEY, of the city, county, and State of New York, have invented a new and useful Improvement in
5 Lace-Fasteners, of which the following is a full, clear, and exact description.

My invention relates to an improvement in lace-fasteners especially adapted for use in connection with laced shoes, and has for its
10 object to provide a fastener of simple and durable construction, which may be readily applied, whereby a lace, after having been passed through the eyelets of a shoe, or through equivalent devices secured thereto,
15 may be securely clamped at the upper end by simply passing the lace in contact with the device.

The invention consists in the novel construction and combination of the several parts,
20 as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters and figures of
25 reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a shoe having my improvement applied. Fig. 2 is an enlarged view of the device as it appears
30 upon the outer face of the shoe. Fig. 3 is an enlarged view of the device as it appears upon the inner face, and Fig. 4 is a perspective view of the complete device detached.

The device is made of spring-wire, and is
35 constructed by bending the wire upon itself to form a single or complete coil 10 and a partial coil 11, whereupon the ends of the wire are passed through the shoe or the article to which the device is to be applied, as
40 illustrated at *a* and *a'* in Fig. 2, the end of the wire passed through at *a'* being bent upon itself to form a hook 12, as shown in Figs. 3 and 4, whereby a straight section 13 is formed. The other end of the wire passed
45 through at *a* is bent upon itself to form a single coil, which coil passes through the hook 12, and the end is made to rest upon a shoulder 14, produced in the device by rea-

son of the wire being carried to the inner face of the shoe, as illustrated in Fig. 4. By rea- 50
son of the inner coil, which I will number 15, being made to bear upon the straight section 13, the outer coil 10 is at all times brought in contact with the outer partial coil 11. Thus in operation, when the shoe is 55
laced, if the lace is drawn between the upper full coil 10 and the partial coil 11, the frictional contact will be so great as to securely hold it in such position.

I desire it to be understood that the fast- 60
ener may be applied to any article upon which a lace is used and in which the end or the ends of the lace are to be secured, and that when used in connection with a shoe or glove, for instance, in which single lacing is 65
employed, but one of the fasteners need be attached. When double lacing is used, I preferably attach to the article two of the devices, one at each side of the opening to be closed by the lace. 70

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

1. As an improved article of manufacture, a lace-fastener constructed of a single piece of metal and consisting of a full coil and a partial coil integral with the full coil, adapted to rest on the outer side of the shoe-flap, a hook-like extremity extending laterally at right angles to the full coil, adapted to pass through the said shoe-flap, a full coil adapted to rest upon the inner side of the shoe-flap, and an intermediate portion connecting the outer partial coil and the inner full coil, the end of the inner coil being bent to engage with the intermediate portion, the 85
body of said inner coil passing through the hook-like extremity connected with the outer full coil, substantially as shown and described.

2. As an improved article of manufacture, 90
a lace-fastener consisting of a single piece of spring-wire bent upon itself to form the full loop 10 and partial loop 11, adapted to rest upon the outer side of the shoe-flap, and bent at right angles to the outer coils a por- 95
tion of its length to form the straight sec-

tions 13 and 14, adapted to pass through the shoe-flap; the straight section 13 terminating in a hook 12 and the section 14 in a single coil 15, resting on the inner side of said
5 shoe-flap concentric with the outer coils and passing through the hook 12, the extremity of which inner coil bears against the straight

section 14, from which it is sprung, substantially as shown and described.

MARTIN N. BAILEY.

Witnesses:

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