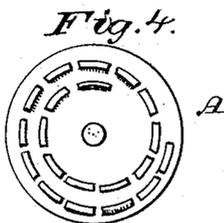
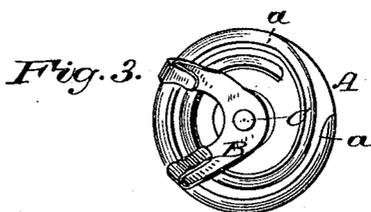
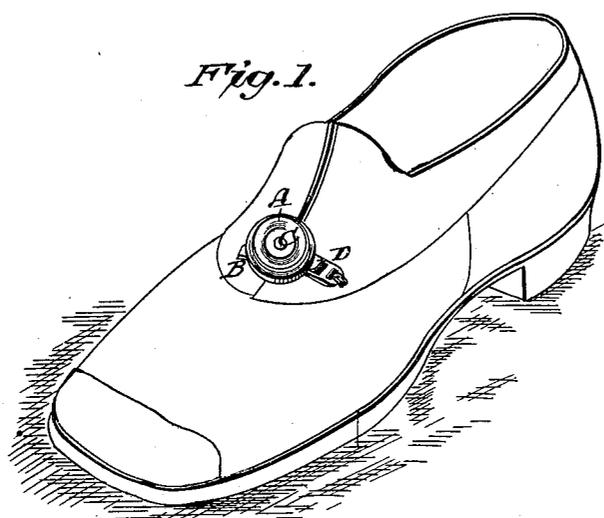


(No Model.)

D. DRUMMOND.
Shoe Clasp.

No. 230,759.

Patented Aug. 3, 1880.



Witnesses
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UNITED STATES PATENT OFFICE.

DAVID DRUMMOND, OF DUBUQUE, IOWA.

SHOE-CLASP.

SPECIFICATION forming part of Letters Patent No. 230,759, dated August 3, 1880.

Application filed April 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, DAVID DRUMMOND, a citizen of the United States, residing at Dubuque, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Shoe-Clasps; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to shoe buckles or clasps; and it consists of a plate or rosette, having a smooth or irregular spiral groove on one side, fastened to and revolving upon a plate attached to one flap of the shoe. To the opposite flap of the shoe is attached a plate having one or more teeth or broad hooks, that engage with the spiral groove of the rosette. By revolving the rosette to the right or the left, while the toothed plate is engaged with the spiral groove thereof, the shoe is clasped or unclasped.

In the accompanying drawings, Figure 1 is a top view of my improved clasp, represented upon a shoe. Fig. 2 is a vertical section thereof. Fig. 3 is a view of the under side of the rosette, showing the spiral groove therein. Fig. 4 is a modified form, showing the spiral with a broken thread, the same being stamped from sheet metal.

In constructing my shoe-clasp the rosette or plate A may be made of any suitable material and form; but I prefer to make it round and ornamented at pleasure. On the under side of the rosette is a spiral groove, slot, or lip, (seen at *a*, Fig. 3.) This spiral may have either a smooth or a broken thread, and the

curve thereof may be regular or irregular, with angles to prevent the hooks from slipping round the spiral, and thus unwinding the fastening after being screwed up tight. This rosette has a pair of hooks, B, pivoted centrally thereto. These hooks are to be attached to one of the flaps of the shoe, and then the rosette turns freely on the pivot. On the opposite flap of the shoe is attached the plate D, Fig. 1, having a series of blunt hooks which engage with the spiral thread of the rosette.

The operation of my improved clasp is as follows: The rosette is brought over the plate D, Fig. 2, and engaged therewith, the hook D catching the spiral groove in the rosette, which is then revolved to tighten the clasp. Then by reversing the revolution of the rosette the clasp is loosened.

I do not limit myself to the precise form of the hooks, or the method of attaching the clasp to the shoe. I prefer to use sheet metal and stamp the hooks out by dies.

The rosette may be either molded or stamped, or made of hard rubber or other suitable material, the more ornamental the better.

Having described my invention, what I claim is—

The rosette A and hook B, pivoted together, the rosette being provided with the spiral groove or lip *a*, in combination with the hook D, all adapted to operate together in clasping and unclasping a shoe, substantially as set forth.

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

DAVID DRUMMOND.

Witnesses:
H. S. RAYMOND,
WM. K. JONES.