

(No Model.)

T. MITCHELL.

BUCKLE.

No. 342,120.

Patented May 18, 1886.

Fig. 1.

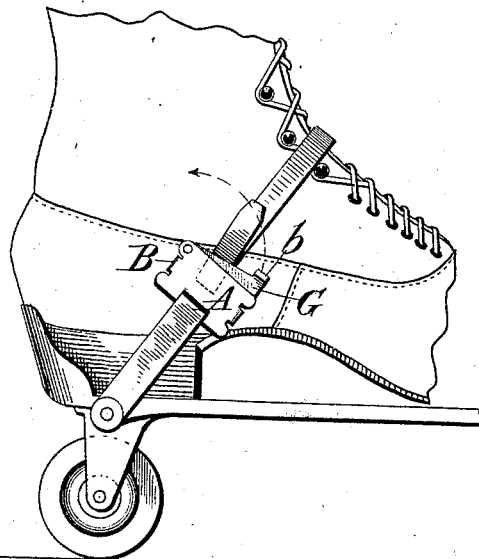
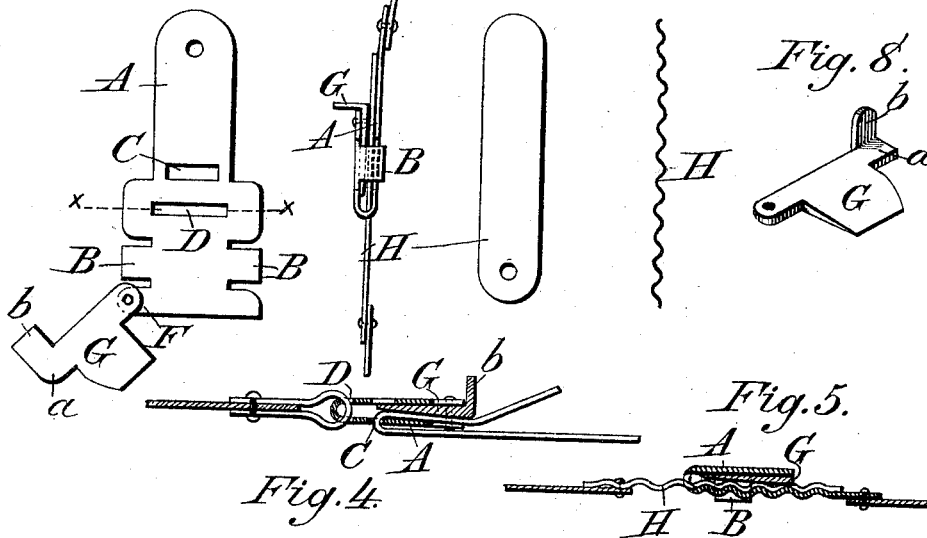


Fig. 2. Fig. 3. Fig. 6. Fig. 7.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS MITCHELL, OF BROOKLYN, NEW YORK.

BUCKLE.

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Application filed March 23, 1886. Serial No. 196,227. (No model.)

To all whom it may concern:

Be it known that I, THOMAS MITCHELL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Buckles; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to an improvement in buckles; and it consists in a wedging fastening so constructed that the strap may be held at any desired point; and it further consists in certain peculiarities of the construction and combination of parts, as will be hereinafter fully set forth.

In the annexed drawings, illustrating my invention, Figure 1 is a side elevation of a shoe and roller-skate secured together by means of a strap provided with my improved buckle. Fig. 2 is a representation of the blank which is to be bent into shape to form the chamber of the buckle. Fig. 3 is a cross-section of the buckle when clamped upon a smooth metallic strap. Fig. 4 is a similar cross-section when the fastening is clamped upon a flexible strap. Fig. 5 is a similar view of the buckle clamped upon a corrugated strap. Fig. 6 is a plan view of a metal strap. Fig. 7 is an edge view of a corrugated strap, and Fig. 8 is a perspective of the buckle-wedge.

Like letters of reference denote like parts in the several figures.

A represents the shank of the blank, which is to be bent together at the line $x x$, to form the buckle-chamber frame, said shank being of any length that is desired, and being so formed that it may be riveted or otherwise secured to a strap, or may be fastened direct to some object. The blank is preferably provided with lugs B B, which will be bent to inclose the shank A, and thus hold the top and bottom plates of the chamber together. The metallic blank is further provided with a transverse slot, C, which will be on the under side of the chamber for the admission of the flexible strap to the chamber, as shown in Fig. 4. Another slot, D, is provided, which will be at the end of the chamber, the blank being

bent at that point, and through which the smooth or corrugated metallic strap shown in Figs. 6 and 7 may pass.

G represents the wedge, which is preferably pivoted upon the lug F, and is provided with a stop, a , and a bent handle, b . The movement of the wedge, as shown by the arrow in Fig. 1, is to and from the buckle-chamber, it being prevented by the stop a from entering too far within the chamber, and yet its extent of movement being amply sufficient to allow it to pass between the upper and lower plates of the chamber-frame, pressing against the contained strap, and thus holding the latter firmly and rigidly.

Instead of a smooth metallic strap, a corrugated strap, H, may be used, in order to make a more secure fastening and prevent liability of the slipping of the buckle. In this case the side of the buckle-chamber will generally be provided with corresponding corrugations or grooves, as shown in Fig. 5; also, a leather strap will, as shown in the drawings, be held securely by the wedge when it is properly placed within the chamber and the wedge is clamped upon it.

It will be understood that I do not herein limit myself to the exact arrangement of the parts just described, but reserve to myself the liberty of departing and varying therefrom as shall be deemed best suited to the easy construction and effective operation of the buckle, without, however, departing from the essential features of my invention, which are the chambered buckle, the clamping-wedge, and the smooth or corrugated straps.

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

1. The combination of the chambered frame of the buckle, the straps passing through slots in said frame, and the wedge G, pivoted within the frame and having a handle, b , substantially as described.

2. The combination of the buckle-chamber having a corrugated side, the correspondingly-corrugated metallic strap, and wedging fastener, constructed and operated substantially as shown and described.

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

THOMAS MITCHELL.

Witnesses:

MARTIN FLANIGAN,
OLIVER P. BARKER.