

M. Fleisher,
Skate Fastening,
No. 59,575, Patented Nov. 13, 1866.

Fig. 1.

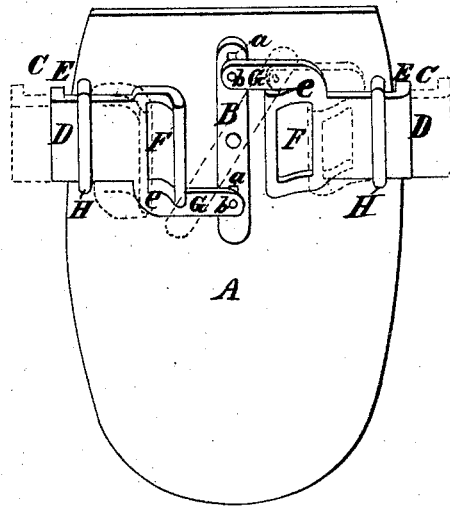
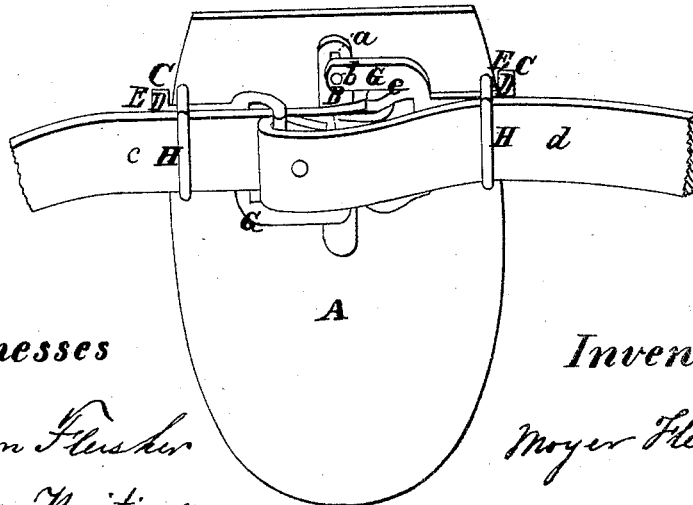


Fig. 2.



Witnesses

Simon Fleisher
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Inventor

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UNITED STATES PATENT OFFICE.

MOYER FLEISHER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVED SKATE-FASTENING.

Specification forming part of Letters Patent No. 59,575, dated November 13, 1866.

To all whom it may concern:

Be it known that I, MOYER FLEISHER, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and Improved Skate-Fastening; and I do hereby declare the following to be a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, which are made part of this specification, in which—

Figure 2 is a bottom view of the foot-rest of a skate with my improved fastening attached. Fig. 1 is another view of the same, having the straps removed and showing the parts of the clamp.

The object of my invention is to produce convenient means of securing a skate to the foot, and is adapted to be used in combination with the heel-fastening hitherto presented by me, and allowed; and it consists in the construction and combination of certain parts, as will be hereinafter more fully described.

A in the drawings represents the foot-rest or plate of a skate of ordinary form and construction. On the bottom, at a point about one-third from its rear, there is pivoted a bar, B, and moving freely on a pivot or screw secured to the plate A. It has a slot, *a*, at both ends, in which play pins *b*, secured to the arms of the clamps.

C are clamps which are made of the same size, and consist of jaws D, which are bent at right angles, the upper arms, E, of which are adapted to press against the sole of the boot or shoe. The inner arms are widened and slotted, forming eyes F, to which straps *c* and *d* are secured. One side, *e*, of these eyes is cut or slitted to allow the eyes to be turned up, to prevent their inner lower sides from pressing against the plate A, and thus the motion of the clamps is rendered more perfect. The outer portions thus cut are continued, forming arms G, and at their outer ends are provided with pins *b*, which are placed within the slot *a* of the connecting-bar B, as stated above.

H H are guides secured to the plate near its sides, through which the inner arms of the jaws D move, and guide them in their outward

and inward motion, and also the straps *c* and *d*, as will be more fully described.

c and *d* are two-straps secured to eyes of the clamps. The left-hand strap, *c*, is secured to the eye of the right-hand clamp, passes through the eye of the left-hand clamp and through the guide H, and then adapted to receive a buckle at proper length or perforations for the tongue thereof. The right-hand strap, *d*, is secured to the eye of the left-hand clamp, and passes over the eye of the right-hand clamp and through the guide H, and is then adapted for the purpose as the other.

It will thus be seen that the straps, eyes, guides, and jaws move in the same line, and when pressure is exerted on the straps those parts move simultaneously, and the jaws have a direct sliding motion, and clamp the sole and foot uniformly.

The operation is as follows: The jaws are drawn away from the plate and the skate applied to the foot. On drawing the straps *c* and *d* for securing it and buckling, the clamps will be brought together, thus drawing the jaws against the sole; and the greater the pressure on the straps the greater will be the clamp on the sole; and thus I present a firm, simple, and practical fastening for skate, which can be made cheap and be not liable easily to get out of order.

The jaws D, eyes F, and arms G, are made in one piece, and thus my fastening may be said to be made of but three pieces—viz., the two clamps and the connecting-bar.

It will be seen that this connecting-bar insures uniformity of motion also, and assists in bringing the jaws together, and pressure or force exerted on one strap will bring the jaws together as readily as two.

The parts may be made of brass, steel, or cast malleable iron; but I do not limit myself to material.

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

1. The clamps C, consisting of jaws D, eyes F, and arms G, constructed in one piece and adjusted to the slotted connecting-bar B so as to give a direct sliding motion to the clamps, substantially as and for the purpose specified.

2. The pivoted connecting-bar B, adapted to move the clamps C equally, thereby causing the center of the skate to be at the center of the foot, substantially as described, for the purpose specified.

3. The arrangement of the straps *c d*, in combination with the eyes F, of the clamp, and guides H, whereby they move in the same line with the clamps, as and for the purpose specified.

To the above specification of my invention I have signed my name this 13th day of September, 1866.

MOYER FLEISHER.

Witnesses:

JOHN A. HURLEY,

SIMON FLEISHER.