

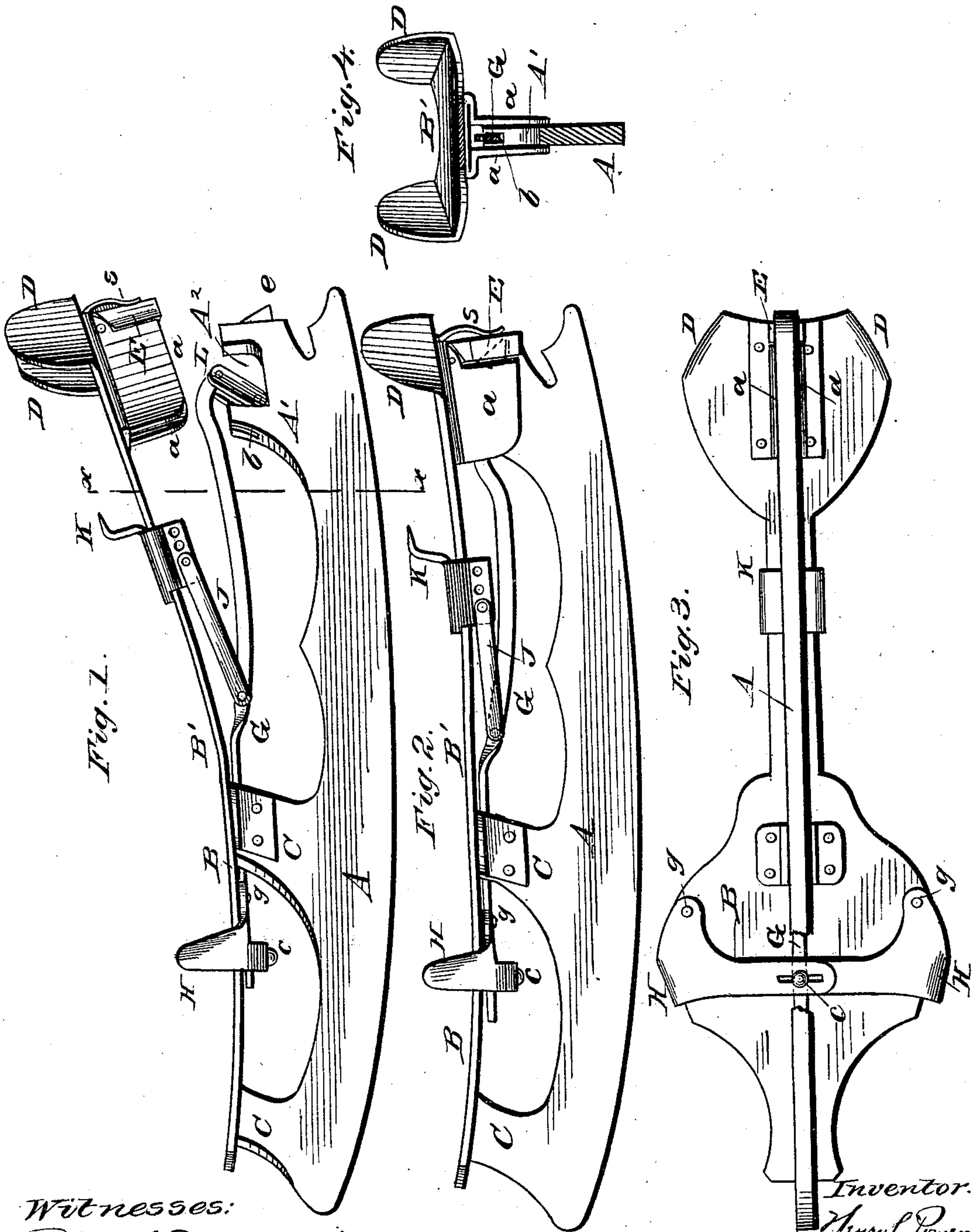
(No Model.)

H. C. POMEROY.

SKATE.

No. 282,922.

Patented Aug. 7, 1883.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY C. POMEROY, OF SOUTH BEND, INDIANA.

SKATE.

SPECIFICATION forming part of Letters Patent No. 282,922, dated August 7, 1883.

Application filed April 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. POMEROY, a citizen of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Skates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a side view of my improved skate, showing the heel of the foot-stand disengaged from the heel of the runner. Fig. 2 is a similar view of the same parts, showing the heel of the foot-stand latched. Fig. 3 is a bottom view of my skate. Fig. 4 is a vertical section through the heel portion of the skate, taken in the plane indicated by dotted line *x x* on Fig. 1, looking backward, the heel of the foot-stand being latched.

This invention relates to skates which are adapted to be attached to the feet without straps; and it consists in a novel combination of clamping devices whereby a skate can be securely fastened by a single downward movement of the foot, as will be fully understood from the following description, when taken in connection with the annexed drawings.

A designates the runner or blade of the skate, which may be made of any desired shape, and B is a thin spring-metal foot-stand, which is rigidly secured to the forward posts, C C, of the runner, but which is allowed to spring freely from the point B' backward. The rear or heel section of this foot-stand is constructed with jaws D D, and anterior to these heel-jaws is a heel-grip, K, formed so that it will bite into the front portion of the heel of a boot when it is moved back. Beneath the heel portion of the elastic foot-stand, and rigidly secured thereto, are jaws *a a*, adapted to receive the rear standard, A', of the runner or blade and resist lateral strain. This rear standard is recessed at A², and it is also constructed with a nose, *e*, and a slot, *b*.

The forward part of the foot-stand, or just beneath the ball of the foot, is provided with two serrated jaws, H H, which are designed for firmly gripping the sides of the shoe-sole, and which are pivoted to the foot-stand at *g g*. These jaws have arms or levers which extend beneath the foot-stand, and are lapped and slotted and pivoted to a rod, G, at *c*, so that

they operate like toggles in spreading or closing the jaws H H.

The rod G extends backward, and is pivoted to the upper end of a link, L, the lower end of which is pivoted to an ear formed on the runner A at the forward angle of the recess A². The link is pitched backward, and its connecting-rod is allowed to drop into the slot *b* when the skate is clamped to the boot.

The heel-grip K is adapted to slide longitudinally on the foot-stand, and it is pivotally connected to the rod G by means of a link, J, which link, as well as the rod G, may be lengthened or shortened by means of a turn-buckle nut, or its equivalent, for the purpose of adapting the skate to shoe soles and heels of different sizes and shapes.

At the back of the jaws *a a*, and pivoted to them, is a latch, E, acted on by a spring, *s*. This spring-actuated latch is adapted to engage with the nose *e*, and to hold the skate locked firmly to the foot.

It will be seen from what I have above described that when the latch E is disengaged from the nose *e* the rear portion of the foot-stand B will spring up and assume the position shown in Fig. 1; also, that the clamping-jaws H and the heel-grip K will be relaxed. When the foot is adjusted upon the skate and pressure is applied to the heel portion of the foot-stand, it will assume the position shown by Fig. 2, and the parts H K will be caused to clamp the boot firmly.

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

The combination, with a skate-runner and a thin flexible foot-stand, of the clamping-jaws, levers H H, a longitudinal rod, J, arranged beneath the foot-stand, a link pivoted to said rod, and also to the sliding rocking locking device K for the heel of the boot, the link L at the rear end of rod J, the jaws *a*, secured to the post-stand, the latch E, and catch *e*, all constructed and adapted to operate substantially in the manner and for the purposes described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HENRY C. POMEROY.

Witnesses:

JAMES DU SHANE,

GEO. W. MATTHEWS.