No. 652,936. Patented July 3, 1900.

# H. TAYLOR.

## SKATE.

(Application filed May 13, 1896.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

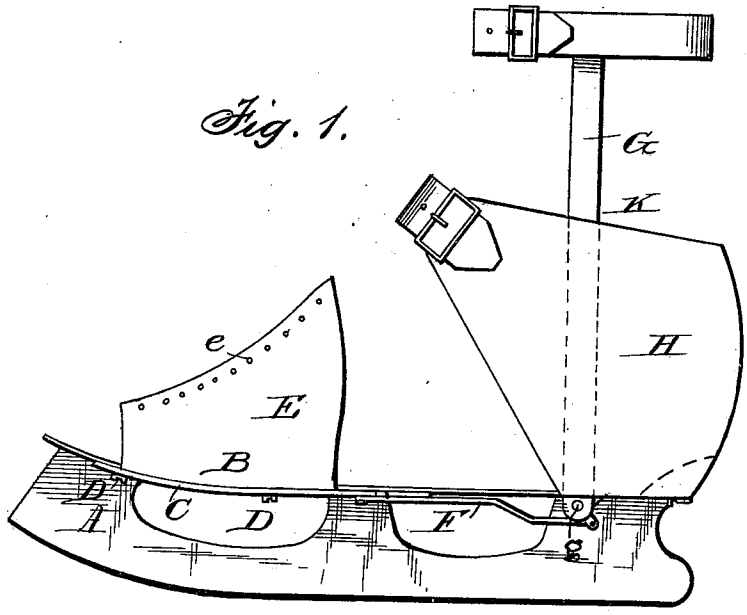



Fig. 3

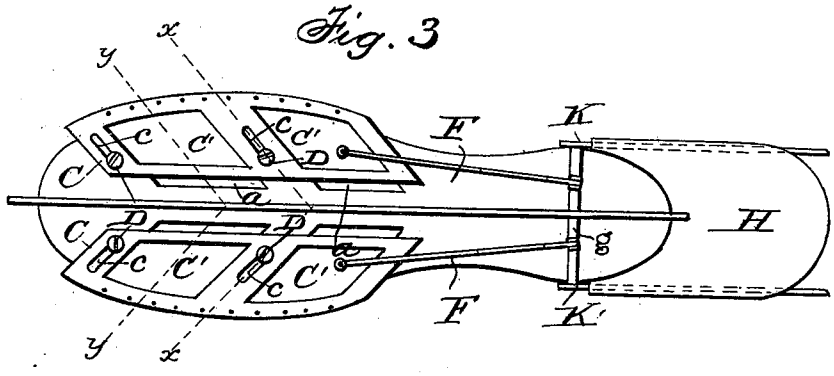
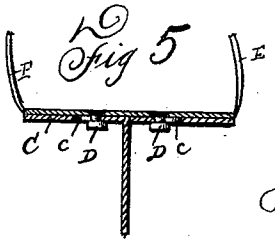



Fig 5




Witnesses.

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No. 652,936. Patented July 3, 1900.

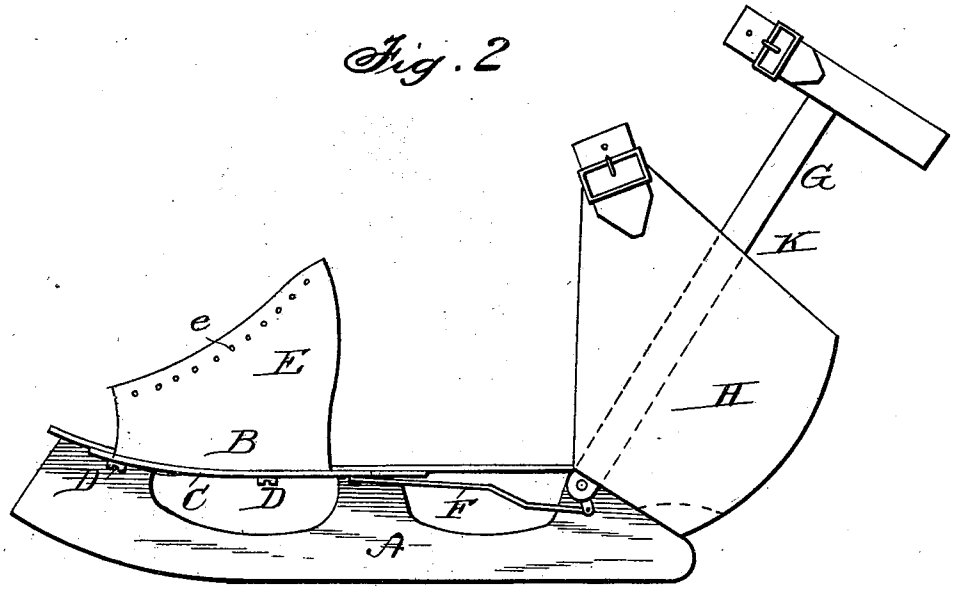
# H. TAYLOR.

## SKATE.

(Application filed May 13, 1896.)

(No Model.) 2 Sheets—Sheet 2.

Fig. 2



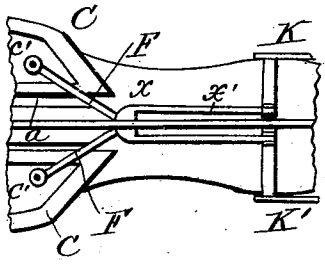




Fig. 4.

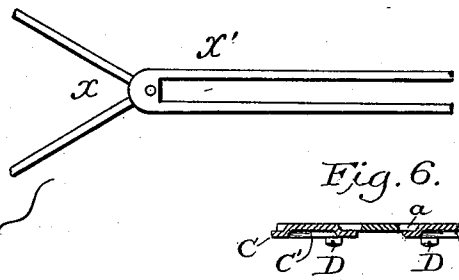



Fig. 6.




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# UNITED STATES PATENT OFFICE.

HARRY TAYLOR, OF SULLIVAN, MAINE.

## SKATE.

SPECIFICATION forming part of Letters Patent No. 652,936, dated July 3, 1900.

Application filed May 13, 1896. Serial No. 591,407. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY TAYLOR, a subject of the Queen of Great Britain, residing at West Sullivan, in the county of Hancock and State of Maine, have invented certain new and useful Improvements in Skates; 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.

This invention relates to certain new and useful improvements in skates, and pertains more particularly to the means for securing the same to the foot and ankle of the wearer.

It has for its objects, among others, to provide a construction whereby an ice-skate can be quickly attached to the foot and which when applied will stay on the foot until the skater deliberately takes it off, which cannot be accomplished by kicking, jumping, or standing on the toes, and which at the same time will be a comfortable, convenient, and stable arrangement for securing the skate to the foot.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of the skate with the heel-strap in its closed position. Fig. 2 is a similar view showing the same in its open position. Fig. 3 is a plan. Fig. 4 is a modification. Fig. 5 is a cross-section on the line X X of Fig. 3, and Fig. 6 is a cross-section on the line *y y* of Fig. 3.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the skate, and B the front straps, adapted to be secured in any suitable manner over the toe portion of the shoe of the wearer.

C C are plates of metal having elongated angularly-disposed slots *c*, in which work the head screws or bolts D, whereby the said plates may be adjusted in the length of the skate and also inwardly and outwardly to and from each other. These draw-plates have the portions C′, which are countersunk into the recesses *a* of the base portion of the skate proper, as shown, and are guided in their movements by these portions working in the recesses.

E represents leather bands or flaps secured to the outer curved edges of the draw-plates C C and at their other edges having holes *e* for the reception of the lacings by which they are drawn around the foot, and by means of these lacings I obtain a uniform pressure on the foot. These plates and flaps need not be unlaced until a different size is required. These leather bands or flaps E may be sewed or riveted or otherwise secured to the draw-plates.

F represents rods or arms extending lengthwise of the skate and secured to the draw-plates in any suitable manner, as shown in Fig. 3.

G is the lever and ankle-support, pivotally mounted near the heel of the skate. The heel-strap H is secured to the lever G, having pivot *g* from the stock to the ankle-joint, and is intended to be on the outside, so as to avoid a manacled appearance, and this lever may be covered with thin leather or any other suitable covering, and this heel-strap is also secured to the end of the stock, as shown in Fig. 2. When the lever and ankle-support is thrown up into its position, as seen in Fig. 1, the leather bands are contracted and are drawn inward and to the rear until they are properly adjusted to the foot. The shaft or pivot on which the lever turns is suitably mounted and so constructed that when the ankle-support is thrown into its vertical position it is provided with means for fastening it in place. A single buckle and strap are provided on the ankle-support, as shown, and when the support is in its vertical position the two parts K and K′ thereof stand substantially vertical, as shown.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

As seen in Fig. 4, the rods or arms F are united at a common joint X and are connected by this joint with the plate or bar X′, which is attached to and connected with the pivots

of the heel-plate, the operation being substantially the same as in the form previously described.

The means which I have shown for fastening the levers K in a vertical position comprise both the strap and buckle at the upper extremities of said levers and the leather heel-piece H with its buckle. Either alone is perhaps sufficient for the purpose; but as other devices can be easily substituted by which to fasten said levers to the leg or ankle of the user of the skate, and hence in a position to lock the skate upon the foot, I do not wish to restrict myself thereto.

What is claimed as new is—

1. The combination with the skate, of the draw-plates longitudinally movable thereon, the levers or heel and ankle supports pivoted beside the heel portion of the skate-body and adapted to be moved in a plane parallel to the skate-blade, means for fastening said levers in an upright position, means whereby the upward movement of said levers shall retract said draw-plates, flaps secured to the edges of said draw-plates and adapted to snugly receive the foot of the skate's user, and means whereby the user's foot is held from moving backward upon the skate, substantially as and for the purpose set forth.

2. The combination with the skate, of the draw-plates movable thereon and provided with means whereby a rearward pull applied thereto gives them a centripetal motion, the levers, or heel and ankle supports pivoted beside the heel portion of the skate-body and adapted to be moved in a plane parallel to the skate-blade, means for fastening said levers in an upright position, a strap secured to said levers and passing back of the heel, the rocking arm operated by said levers and connected to said draw-plates, and means whereby the rearward and centripetal movement of said draw-plates shall grip the forefoot of the skate's user, substantially as and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HARRY TAYLOR.

Witnesses:
HAWARD H. HAVEY,
ALFRED B. CRABTREE.