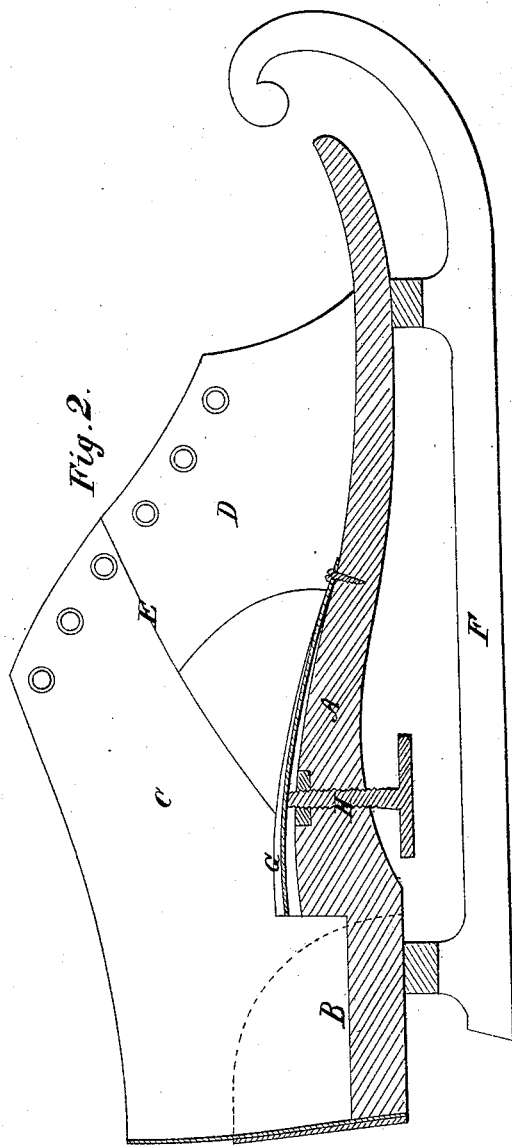
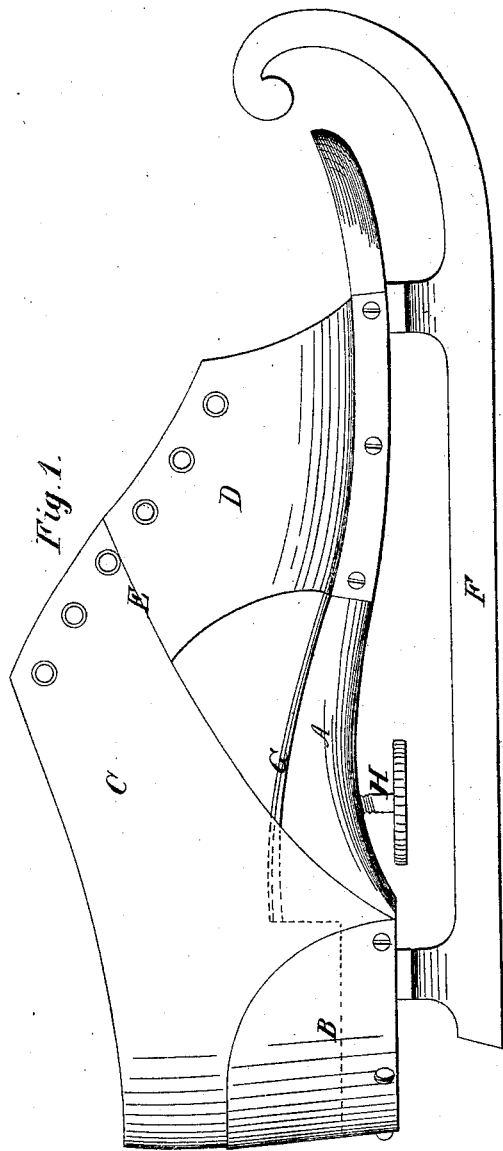


S. R. Goins,

Skate,

N^o 33,939,

Patented Dec. 17, 1861.



Witnesses

Edw. Forbes
M. Haskell

Inventor

Stephen R. Goins

UNITED STATES PATENT OFFICE.

STEPHEN R. GOING, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SKATES.

Specification forming part of Letters Patent No. 33,939, dated December 17, 1861.

To all whom it may concern:

Be it known that I, STEPHEN R. GOING, of Brooklyn, in the county of Kings and State of New York, have invented a new and improved method of adjusting skates to support the hollow or shank of the foot and also connecting the back and front straps, thus making an easy fastening by which they can be attached with comfort to any size boot or shoe; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 is a side elevation. Fig. 2 is a vertical longitudinal section through the center of bed-plate or stock.

My invention consists in the form of the bed-plate A, fitted exactly to the shape of the boots or shoes of the wearer while skating; also the spring or plate G, hollowed to fit the shank of said boot or shoe, and adjusted by the screw H when said boot or shoe varies in height of heel, thus supporting the hollow of the foot and preventing it from becoming wearied by the pressure of straps or lacing from above, and thus allowing the blood to circulate freely through the foot and preventing the foot from becoming frost-bitten; also connecting the heel-strap C and toe-strap D at E, thus forming an easy and well-fitting lacing to keep the skate in its proper position.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

I construct skate-runners F in any ordinary way now known and secure them to stock A by any simple method. The stock A is fitted

to the foot, boot, or shoe of the wearer and the spring or plate G is placed thereon immediately under the hollow of the foot, leaving it free toward the heel, so that it can be raised or lowered by set-screw H to fit the hollow of the foot, boot, or shoe of any height of heel or tighten the skate on the foot without touching the lacing. The recess B forms a socket which the heel sets firmly in, thus doing away with the old-fashioned spike and screw.

C is the heel-strap, and D the toe-strap, fastened to the stock A by metallic bands or screws, as shown, or in any known way. Said straps C and D can be made of one piece of leather, india-rubber, gutta-percha, or any other material found to answer the purpose best, or they can be formed of two pieces and connected at E to prevent the heel-strap C from rising upon the instep of the wearer and bearing hard on that part of the foot most worked while skating; also forming a good lacing to attach the skate firmly to the foot, as the straps C and D are provided with a sufficient number of eyelets of any known construction for the lacing purposes described.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. Supporting the hollow of the foot by fitting the stock A to the shape of the boot or shoe, as set forth.
2. Attaching a plate or spring G to the stock A to answer the purposes described.
3. Joining straps C and D at E, in combination with bed-plate A, as set forth.

STEPHEN R. GOING.

Witnesses:

EPES E. ELLEY,
M. HASKELL.