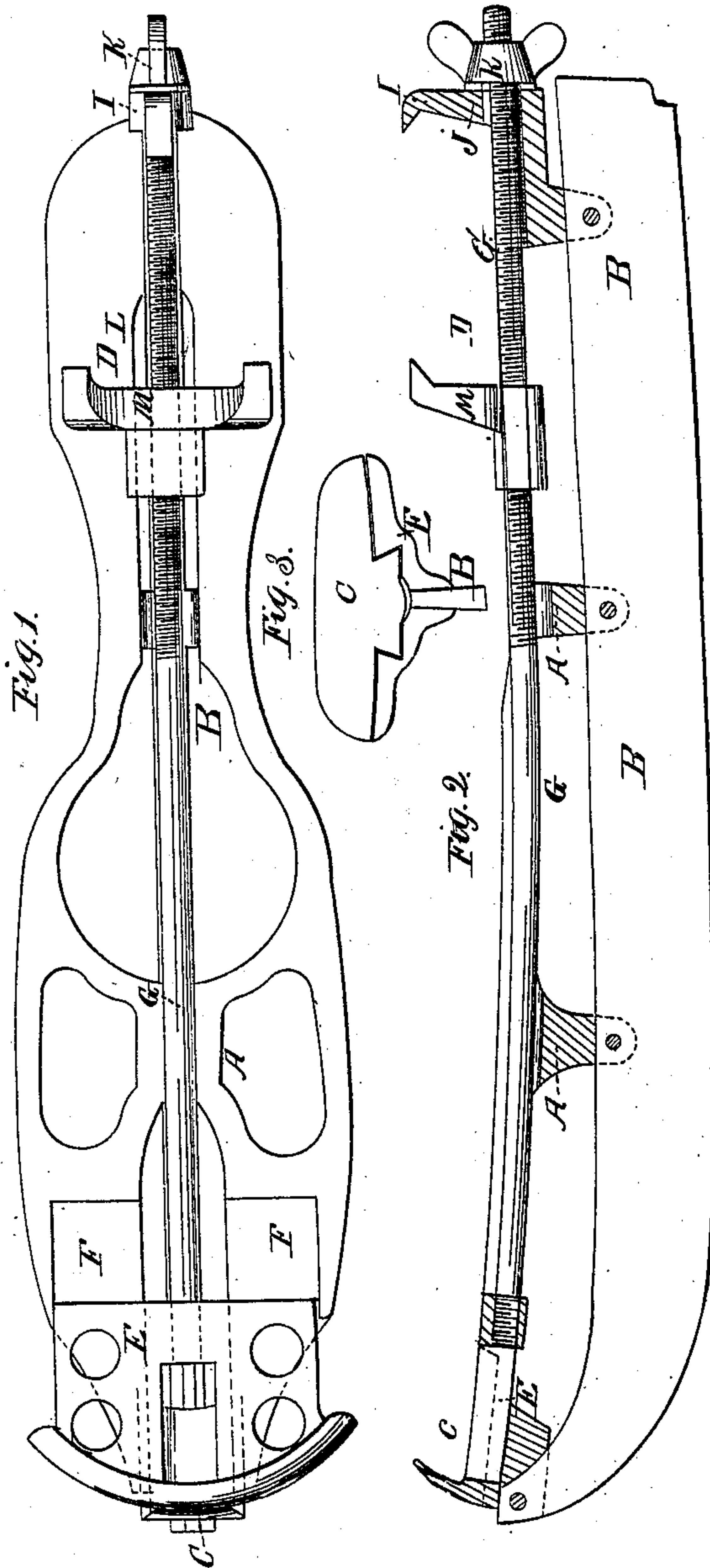


*C. Gooch,
Skate,*

No 81,269,

Patented Aug. 18, 1868.



*Witnesses.
Thos. Inseck.
J. A. Service.*

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Per Mumt Co
Atty*

United States Patent Office.

CHARLES GOOCH, OF CINCINNATI, OHIO.

Letters Patent No. 81,269, dated August 18, 1868; antedated August 8, 1868.

IMPROVED SKATE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES GOOCH, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented new and useful Improvements in Skates; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to that class of skates which are provided with a fastener, that acts upon the boot or shoe-sole in the direction of its length, and from end to end, and it consists in a novel construction and arrangement of the toe and heel-clamps of such fasteners, whereby the skates can be adjusted to more fully and perfectly accommodate the various lengths of boots, and thus the fastener rendered more general in its application or adaptation to the varying sizes in the length of the boots.

In the accompanying plate of drawings, my improvements in skates are illustrated—

Figure 1 being a plan or top view of a skate made according thereto,

Figure 2 a central longitudinal vertical section, and

Figure 3 an end view of the skate where the toe-clamp is located.

Similar letters of reference indicate like parts.

A, in the drawings, represents the foot-rest or support of a skate, and B its runner or blade, secured thereto in any proper manner.

C, the toe, and D the heel-clamp of the skate-fastener. The toe-clamp C is made of a suitable shape to embrace and surround the toe of the boot, and is arranged by the plate E on a dove-tailed way or groove, F, of the foot-rest A, so as to move thereon in the direction of its length.

G, a rod, screwed into front end of plate E to toe-clamp. This rod extends along the length of the foot-rest to the skate, from the toe-clamp to its heel, where, passing loosely through the portion J of the foot-rest, it has a thumb-screw nut, K, upon its outer end.

The heel-clamp D consists of two portions, I and M, the one, I, fixed to the extreme heel-end of the foot-rest A, with the other, M, screwed upon the rod G, and arranged to move in a way or slot, L, extending in the direction of the length of the foot-rest A.

From the above description, and by an inspection of the drawings, it is plain to be seen that if the thumb-nut K be turned in the proper direction it will draw the toe-clamp and the movable part of the heel-clamp forward, and thus secure the fastening of the skate to the boot-sole, by a bearing in the direction of its length, whereas if the thumb-nut is turned in the opposite direction, such clamps can be released; and that, furthermore if the thumb-nut be screwed entirely off of the rod G, it will allow such rod, with the clamps that it carries, to be detached from the foot-rest A, and thus, by screwing the toe or heel-clamp piece either forward or backward thereon, allow their relative position to be adjusted to suit or accommodate the length of boot on which the skate is to be worn.

I claim as new, and desire to secure by Letters Patent—

The sliding toe-clamp C, sliding heel-clamp M, fixed heel-clamp I, screw-rod G, and thumb-nut K, all constructed as described, whereby said clamps are adapted to bear only upon the sole and heel of the boot or shoe, without touching the uppers, as herein shown and described.

CHARLES GOOCH.

Witnesses:

JOHN W. CARTER,

JACOB GRAFF.