

C. T. Day,
Skate Fastening,
N^o 39,468. Patented Aug. 11, 1863.

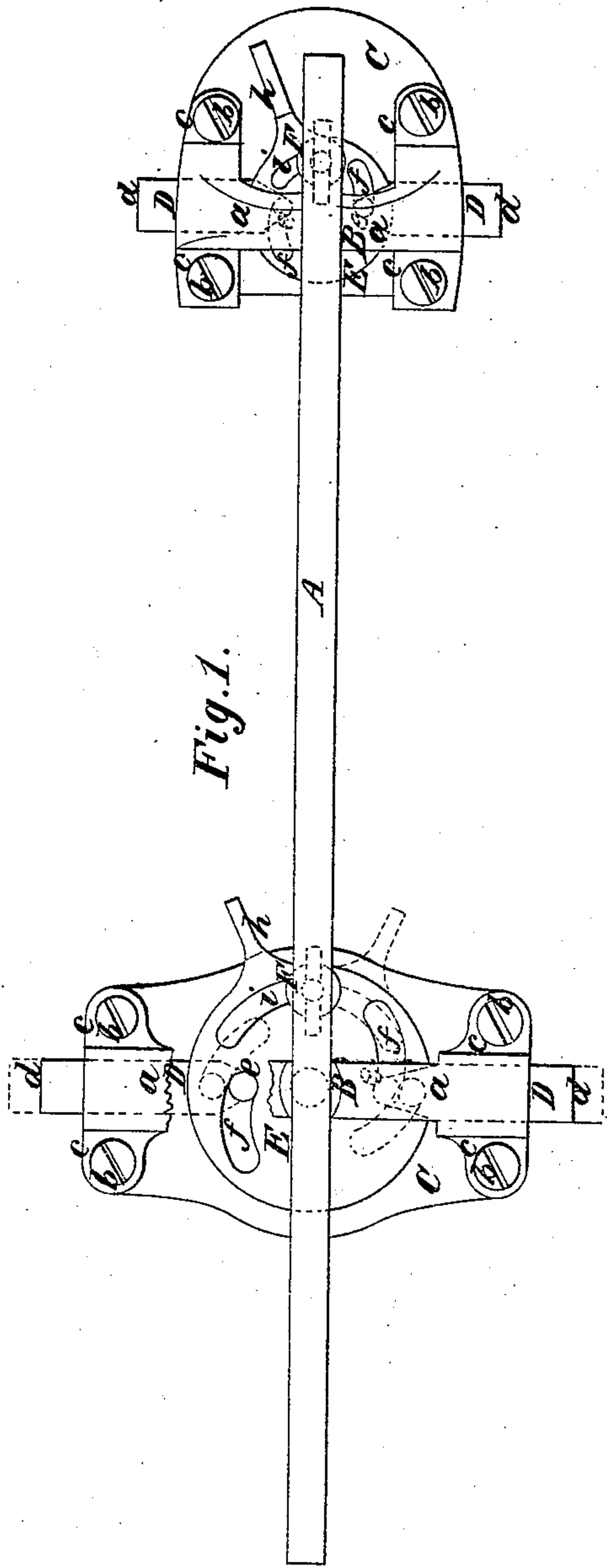


Fig. 1.

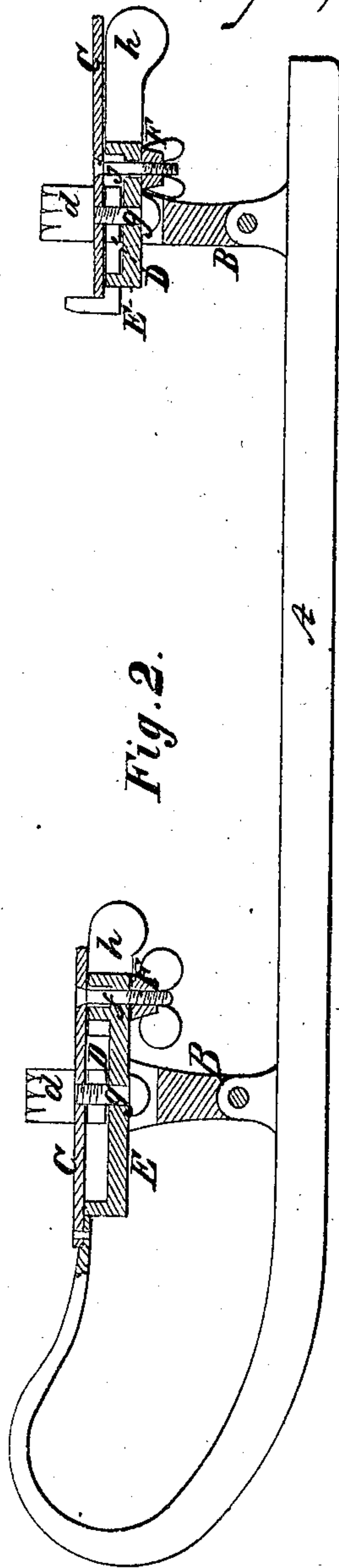


Fig. 2.

Witnesses
J. W. Coombs
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UNITED STATES PATENT OFFICE.

C. T. DAY, OF NEWARK, NEW JERSEY.

IMPROVED FASTENING FOR SKATES.

Specification forming part of Letters Patent No. 39,468, dated August 11, 1863.

To all whom it may concern:

Be it known that I, C. T. DAY, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Fastening for Skates; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a bottom view or an inverted plane of a skate, with my improvement applied to it; Fig. 2, a side sectional view of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to an improved fastening for securing the skate to the boot or shoe, and of that class which are composed of jaws for clamping or grasping the sole and heel of the boot or shoe.

The invention consists in an improved means for operating the clamps or jaws, whereby the same may be readily adjusted so as to grasp the sole and heel of the boot or shoe firmly, and also readily detached or moved therefrom, and firmly held in position when grasping the sole and heel.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the runner of a skate, which may be of the usual or any proper form, and B B are two knees or posts, firmly attached thereto, one near the front and the other near the back end of the runner. Each knee or post branches out at its upper end at each side to form arms *a a*, on the upper surfaces of which metal plates C are secured by screws *b*, which pass through ears *c*, the latter projecting laterally from the arms, as shown clearly in Fig. 1. The upper surfaces of the arms *a a*, at their outer ends, have recesses made in them to receive bars D D, the outer ends of which extend upward, forming jaws *d d*, which are notched at their edges, the jaws being slightly curved in hook form, and of such a length as to grasp the side of the sole and heel of the boot or shoe. The bars D are allowed to slide freely between the plates C, and the arms and each bar has a pin, *e*, projecting down from it near its end. These pins *e* are fitted in slots *f*, made in circular plates F, which work on pivots *g*, the

latter passing into the under sides of the plates C and through the same. There is a circular plate, E, directly over each knee or post B, and two slots, *f*, in each plate E, the slots of each plate being at opposite sides of its pivot *g*. The slots *f* have an eccentric position relatively with the plate, as shown clearly in Fig. 1, and it will be seen that by turning these plates the bars D, and consequently the jaws *d d*, may be simultaneously moved toward and from each other, and the jaws thereby made to firmly grasp the sides of the sole and heel of the boot or shoe, or be moved outward from it, so as to release the sole and heel. The jaws on the back knee or post of course grasp the heel of the boot or shoe, while the jaws on the front knee or post grasp the sole, the heel and sole being thereby secured firmly down on the plates C. The plates E are provided with projections *h* for the convenience of turning them, and each plate has a concentric slot, *i*, made in it, through which a pendent screw, *j*, passes. These screws are attached to the plates C, and have thumb-nuts F fitted on them, by turning which the plates E may be firmly secured, so as to hold the jaws in contact with the sole and heel of the boot.

The arrangement is exceedingly simple and efficient, and may be applied at a small cost. There are no parts liable to get out of repair or become deranged by use.

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

1. Operating or adjusting the bars D, which have the jaws *d* at their ends, through the medium of the circular plates E, arranged so as to turn on pivots *g*, and provided with eccentric slots *f*, into which pendent pins *e*, at the inner ends of the bars D, are fitted, substantially as and for the purpose set forth.

2. Holding the plates E, and consequently the jaws *d*, in proper position by means of the pendent screws *j*, attached to the plates C, and passing through concentric slots *i* in the plates, and having thumb-nuts F fitted on them, substantially as described.

C. T. DAY.

Witnesses:

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