

A. J. SCRIVEN.
SKATE ANKLE SUPPORTER.
APPLICATION FILED JAN. 13, 1905.

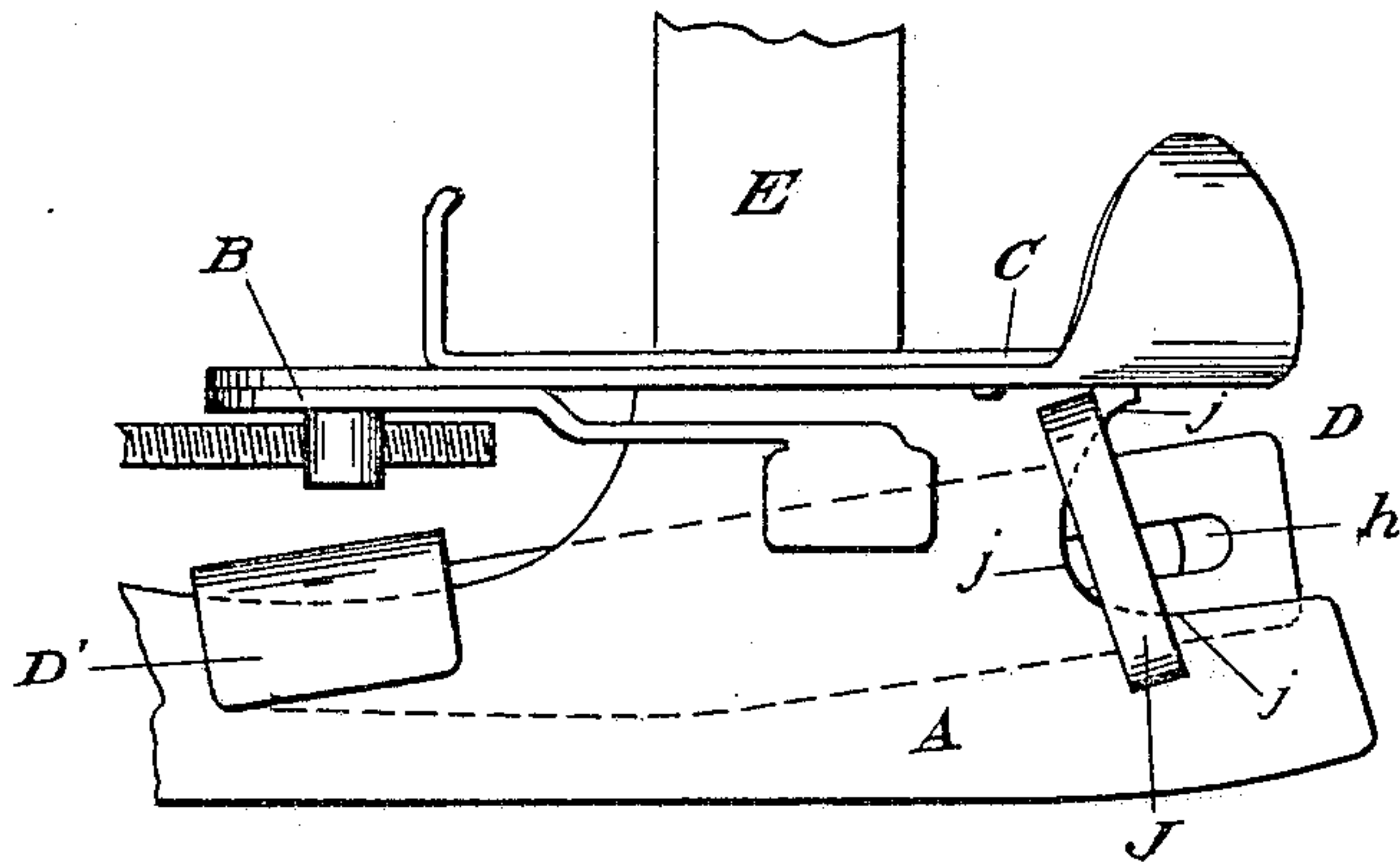


Fig. 2.

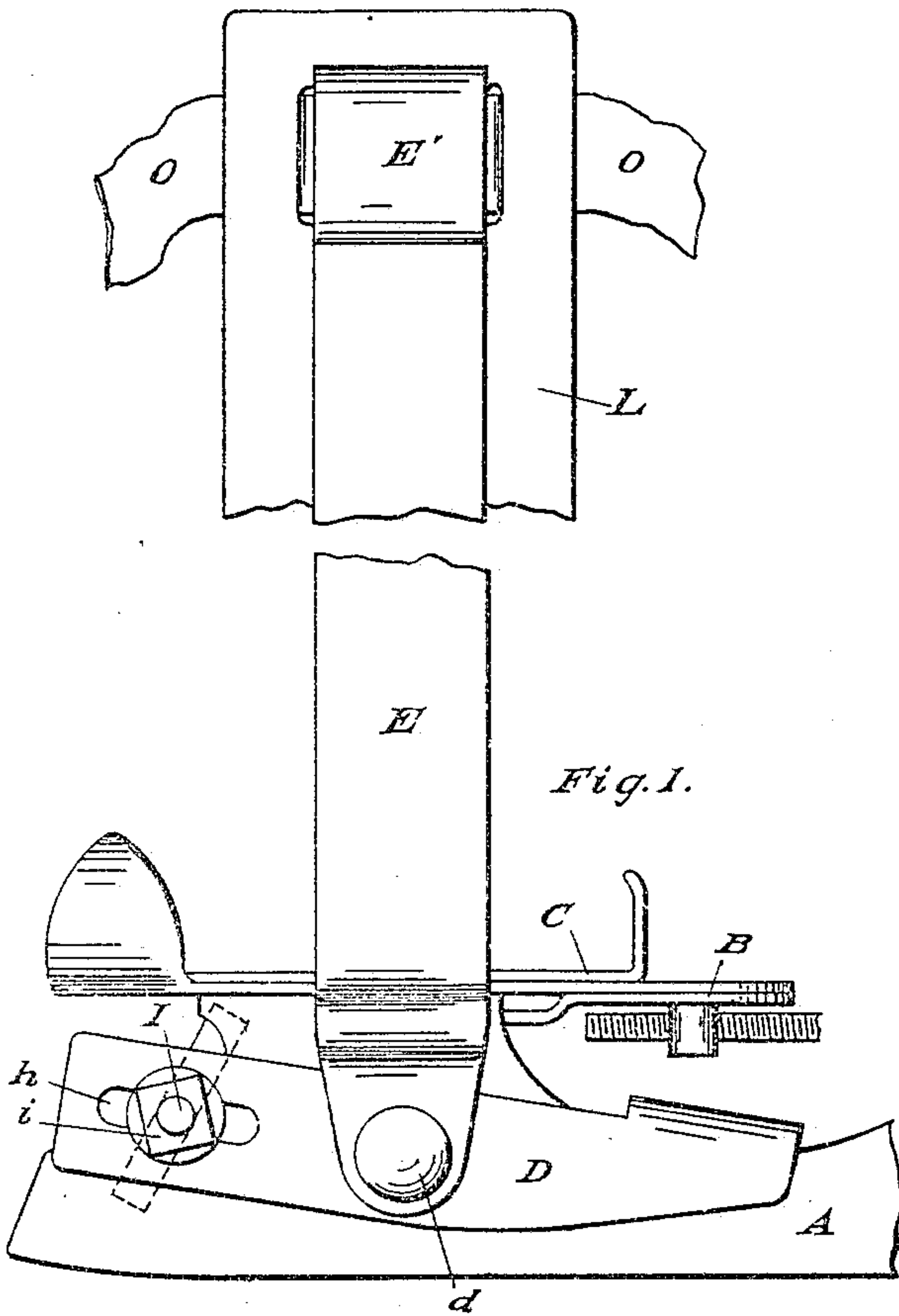


Fig. 1.

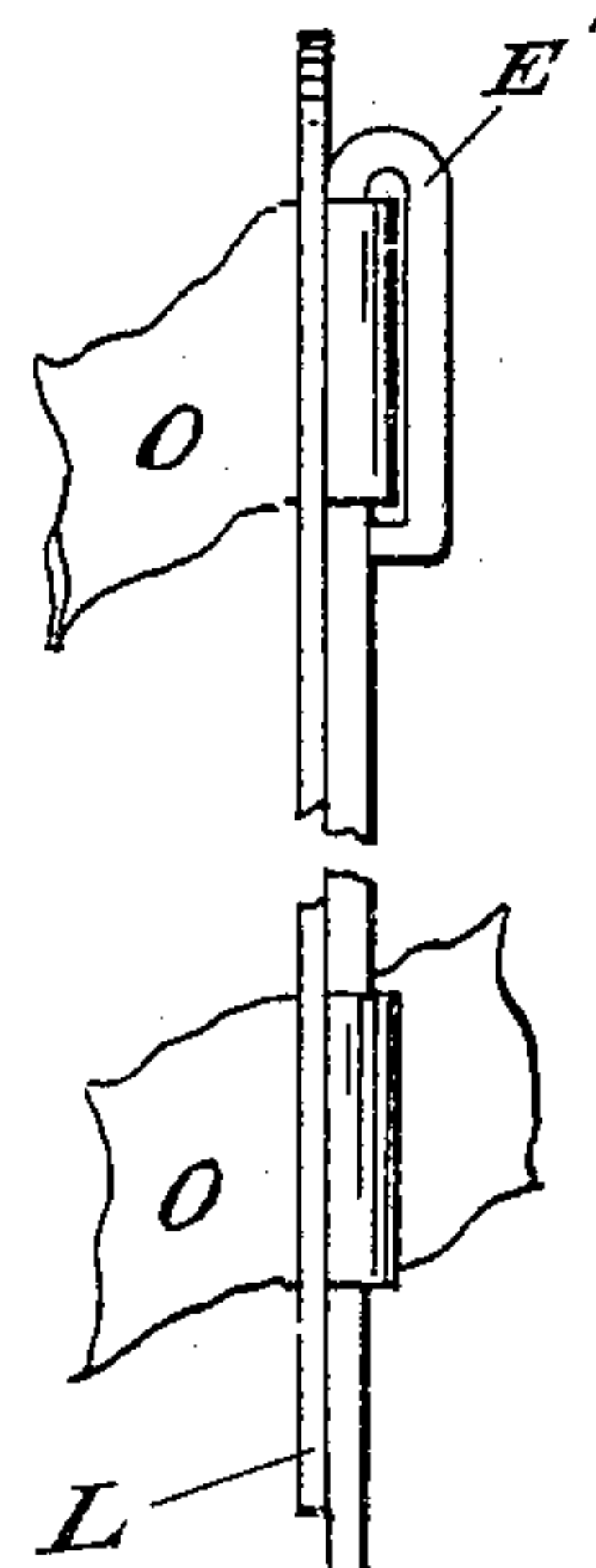
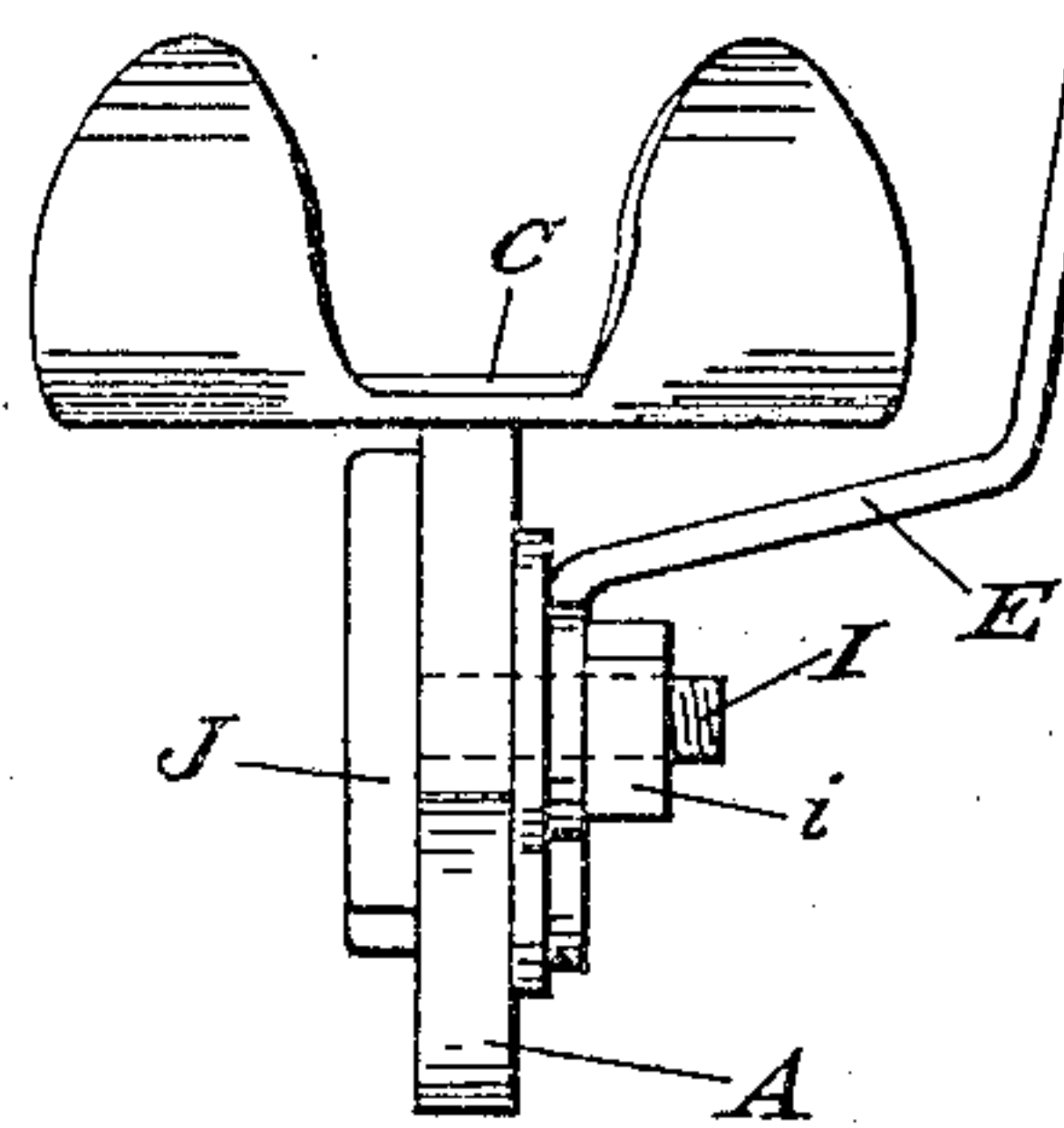


Fig. 3.



Witnesses:
A. Ben Cornelius
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UNITED STATES PATENT OFFICE.

ANDREW J. SCRIVEN, OF ST. JOSEPH, MISSOURI.

SKATE ANKLE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 787,225, dated April 11, 1905.

Application filed January 13, 1905. Serial No. 240,903.

To all whom it may concern:

Be it known that I, ANDREW J. SCRIVEN, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Skate Ankle-Supporters; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

It is a well-known fact that many persons, owing to weakness in their ankles, are prevented taking part in the exhilarating and healthful amusement of skating.

The object of my invention is to provide a device that will overcome this by aiding the ankle in bearing the weight of the body and strain upon the ankle while skating, thereby not only enabling persons with this weakness to join in the sport, but also affording much relief from weariness to many others who may use the device while skating.

I accomplish my object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a skate, its front broken away, an upright metal supporter pivotally attached at the side of the runner at the back part of the skate, a cushion, and straps for attaching the supporter to the limb above the ankle. Fig. 2 is a detail view of the manner of attaching the device shown from the opposite side of a skate, also broken away at its front; and Fig. 3 is a rear elevation of a skate and of the attached supporter.

Similar letters refer to similar parts in the different views.

In the drawings, A represents the runner of a skate, and B the frame thereof.

C represents particularly the plate that supports the heel of the skate.

D is a metal plate adapted to be set against the upper part of the outside of the runner beneath heel-plate C.

E is an ankle-brace, preferably of spring-steel, securely pivoted at its lower end on the

side of plate D by means of a pin *d*. The front end of said plate has a flange projecting inward over the top of the skate-runner and thence a short space downward on the inside of the runner, forming a clamp D'. The rear end of said plate D is provided with a horizontal slot *h*, adapted to receive a bolt I, having a threaded end for nut *i*. This bolt has an elongated head J, adapted to reach across cut-out *j* at the back of the skate, setting solidly against the side of the skate-runner above and below said cut-out or against the side of the runner at the edge of the cut-out, as shown in Figs. 1 and 2, the upper end of said elongated bolt-head fitting into the angle of connection of the runner and heel-plate C. The bolt being inserted in said slot to the front of said cut-out and against the back of the skate, the nut screwed on the bolt, and clamp D' pressed down over the top of the runner at the front of the upward projection of the top of the skate, plate D is held immovable. At the top of ankle-brace E there is an outwardly-turned loop E'. Said brace is preferably made of the form shown, its lower part being bowed slightly outward to avoid having the ankle contract with it, while the upper part bears inward to proximity with the limb somewhat above the ankle to prevent unpleasant pressure or wear to the limb-clothing. A cushion L, made of leather or other suitable material, is set against the inside of the upper part of said brace. Straps O O, the upper one passing through loop E', securely hold said brace to the limb, and passing through slots in the cushion at the same time hold said cushion in place. By the use of horizontal slot *h* one size of this supporter is adapted to use on any-size skate.

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

1. In an ankle-supporter the combination with a skate, of a metal plate provided with a slot near its rear end, a flange at its front adapted to clamp over the top of the skate-runner, a bolt and having an elongated head and nut for rigidly attaching said plate to the skate-runner at its back, a spring-steel brace pivoted centrally on the outside of said plate, a loop at the top of the brace, a cushion and

straps to hold said cushion inside the brace and bind the brace to a limb of the skater, substantially as shown and described.

2. In a skate ankle-supporter the combination with a pivotally-carried brace provided with a loop, a cushion and straps, of a plate provided with a pin set centrally and rigidly on the outside thereof to support said brace and a horizontal rearward slot therein to permit adjustment of the supporter to any size of skate, a bolt having an elongated head and a nut to engage with said slot, the elongated

head thereof adapted to reach across the cut-out at the back of and take hold upon the side of a skate and a flange at the front of the plate suited to take hold and clamp upon the top thereof, substantially as shown and described. 15

In testimony whereof I affix my signature in presence of two witnesses.

ANDREW J. SCRIVEN.

Witnesses:

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