

G. W. Ansley,
Skate,
No 37,428, Patented Jan. 20, 1863.

Fig. 2

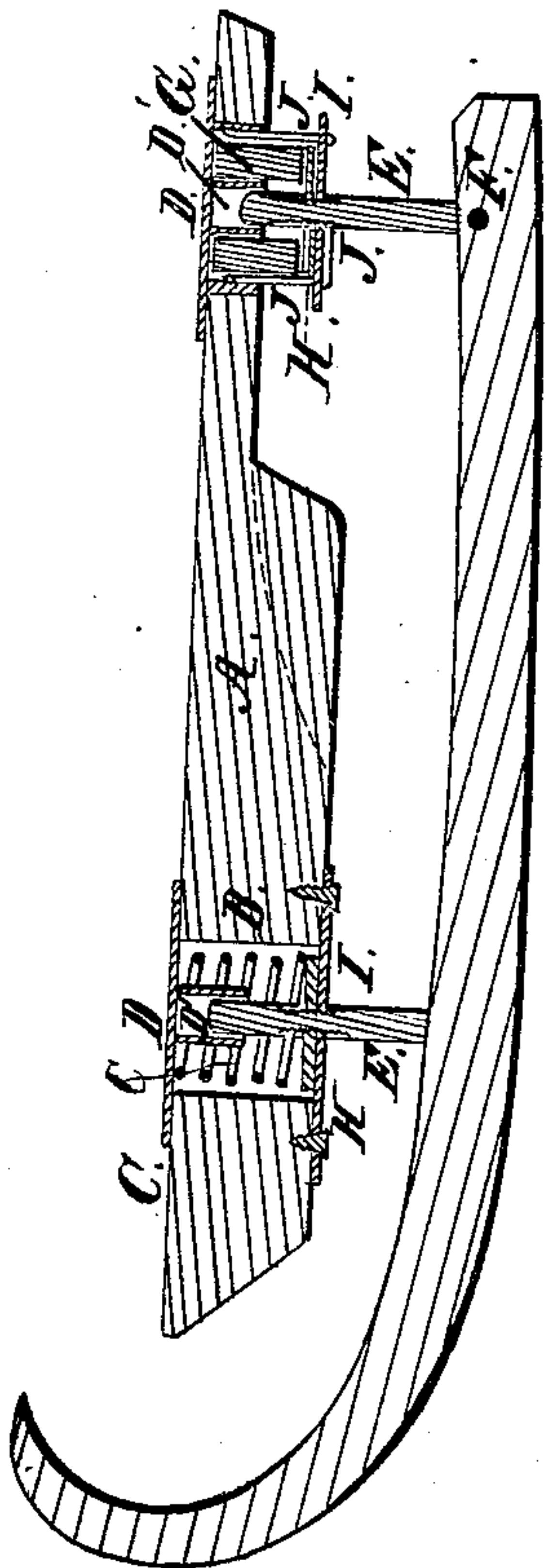


Fig. 4.

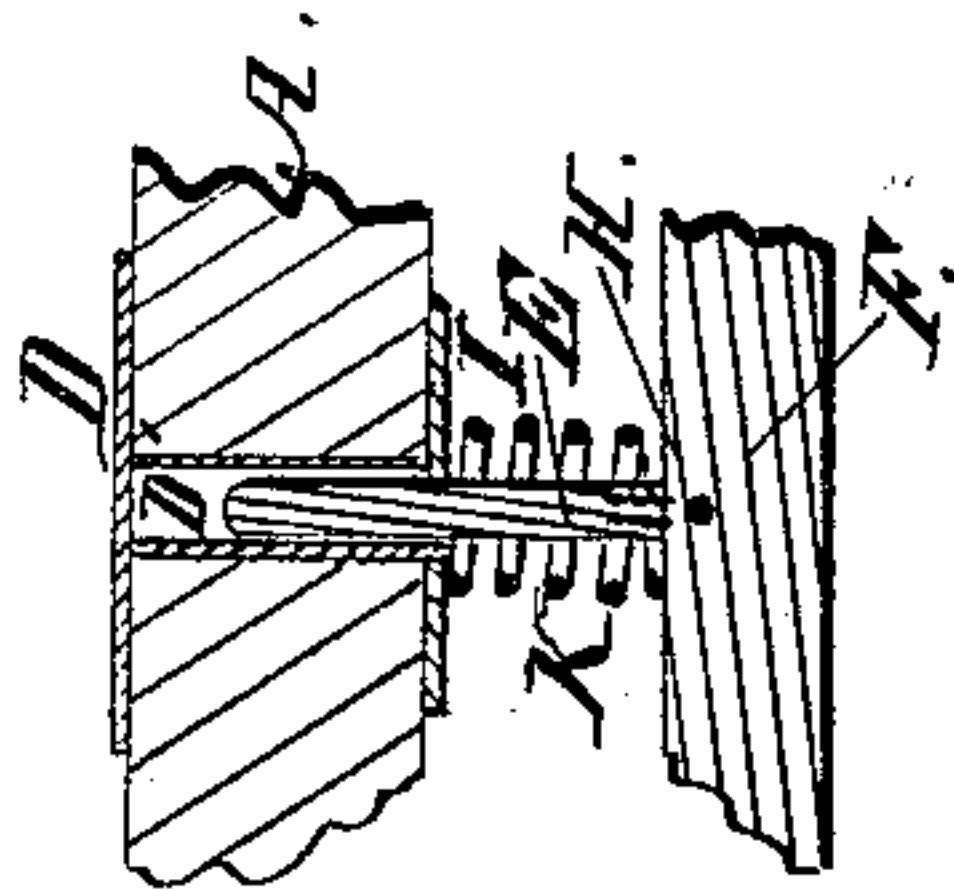
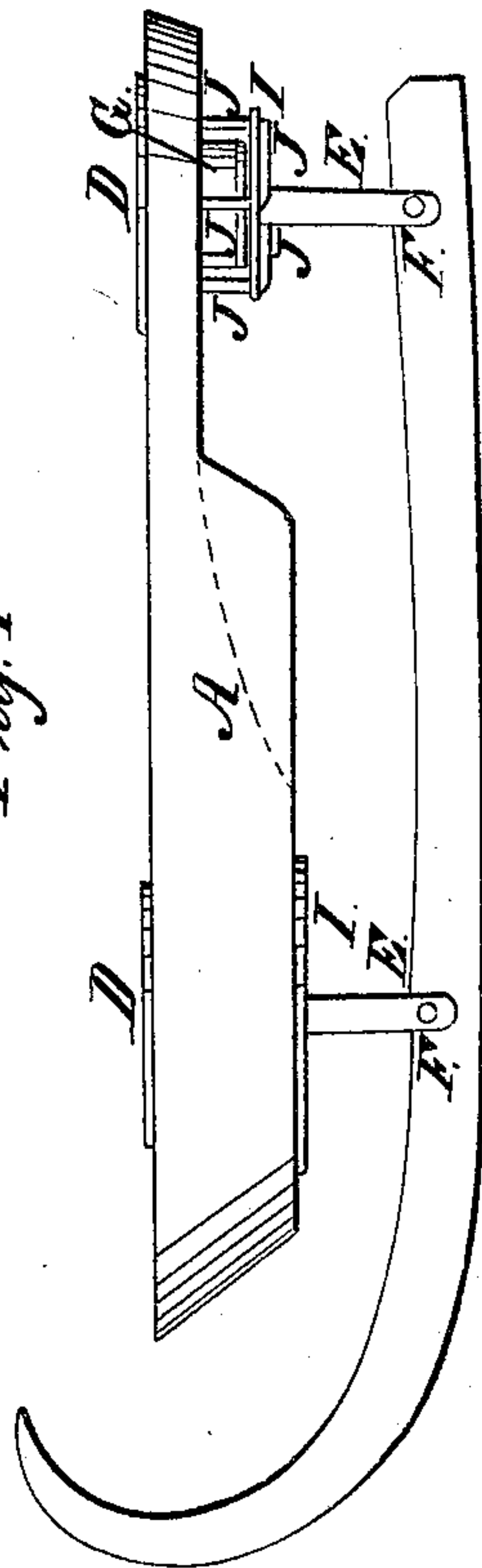


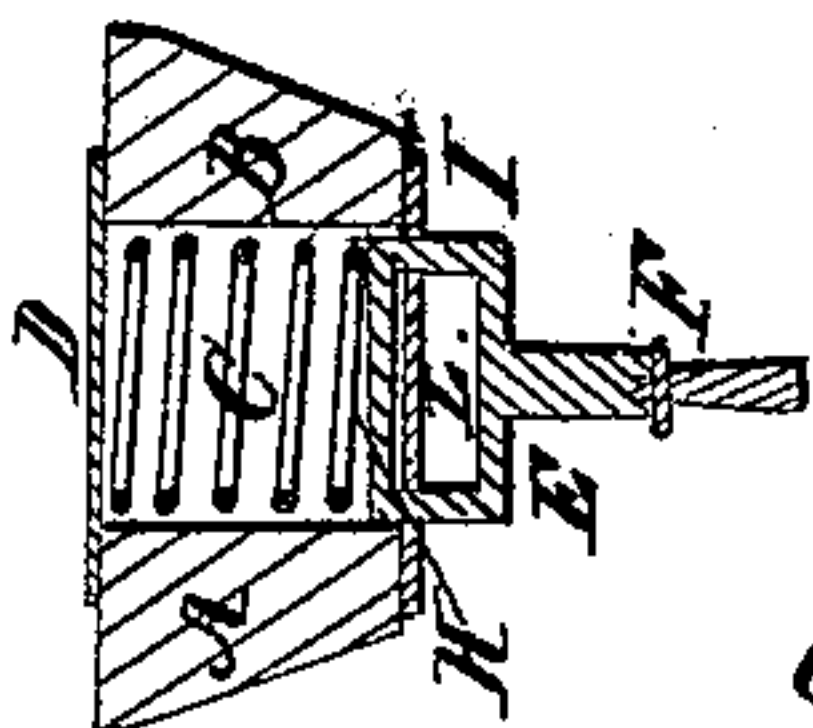
Fig. 1



Witnesses:

W. H. Burridge
Henry Roth

Fig. 3.



Inventor:

G. W. Ansley

UNITED STATES PATENT OFFICE.

G. W. ANSLY, OF CLEVELAND, OHIO.

IMPROVEMENT IN SKATES.

Specification forming part of Letters Patent No. 37,428, dated January 20, 1863.

To all whom it may concern:

Be it known that I, G. W. ANSLY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Skates, and which is an improvement on a patent granted to me October 7, 1862; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view, and Fig. 2 a longitudinal section. The other views will be referred to in description hereinafter.

Like letters denote like parts in the drawings.

The nature of my improvement relates to the construction and arrangement of a spring-skate so that it shall have all the elasticity of the one patented to me as aforesaid, with equal ease and strength in use, and at the same time be of less weight and cheaper of construction, the springs being adjustable for lighter or heavier persons by means hereinafter described.

In the stock or sole A is a chamber, B, for the reception of the spring C. On the top of the stock, covering the chamber, is secured a plate, D, with a socket, D', depending in the chamber from said plate. The upper end of the stem E passes into the socket D', and the lower end is so connected to the runner as to form a joint at F, which allows the skate to adjust itself to the action of the springs C and G, which give ease to the skater when in motion. The collar H forms a screw-nut upon the stem, which gives the desired tension to the springs, and the spring C rests upon the flange or collar H, attached to the stem, while the upper end of said spring presses against the plate D. The plates H are adjustable vertically on the stems E by means of a screw-thread, so that a greater or less tension can be given to the springs in order

to adapt them to the weight of the skater. On the underside is fastened a plate, I, through which passes the stem E, which plate acts as a guide for the stem, and retains said stem and spring C in place.

The spring arrangement at the heel of the skate is substantially the same as at the toe, excepting that the spring G is made of india-rubber, and the plate I', which corresponds to the plate I, is secured to the stock A by staples J. By this arrangement at the heel the stock can be made much lighter than the construction described in my patent of October 7, 1862.

Fig. 3 represents the stem E, terminating in a fork, L, the ends of which pass through the plate I and are attached to the flange or plate H. The spring C rests upon this flange, and the upper end presses against the plate D.

Fig. 4 represents another arrangement for the same purpose. In this case the spring K is placed around the stem E so as to be between the runner and the stock, the stem passing into a hole in the stock, which allows the spring to act in like manner and for the same purpose as that described in Figs. 1, 2, and 3, which allows the skate to be light and adjusting to the motion of the body, thereby giving more ease to the skater than the ordinary skate.

Other modifications of this improvement may be made without changing the essential features of the arrangement.

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

The arrangement of the spring C, stem E, pivoted or jointed to the runner, adjustable plate H, and socket D, substantially as and for the purpose set forth.

G. W. ANSLY.

Witnesses:

W. H. BURRIDGE,
HENRY VOTH.