G. W. Ansley,

Skate.

No. 36,595. Patented Oct. 7, 1862.

Fig. 1.

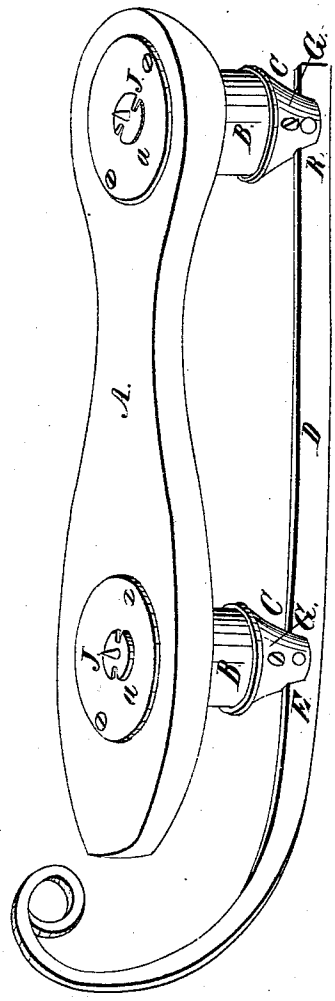
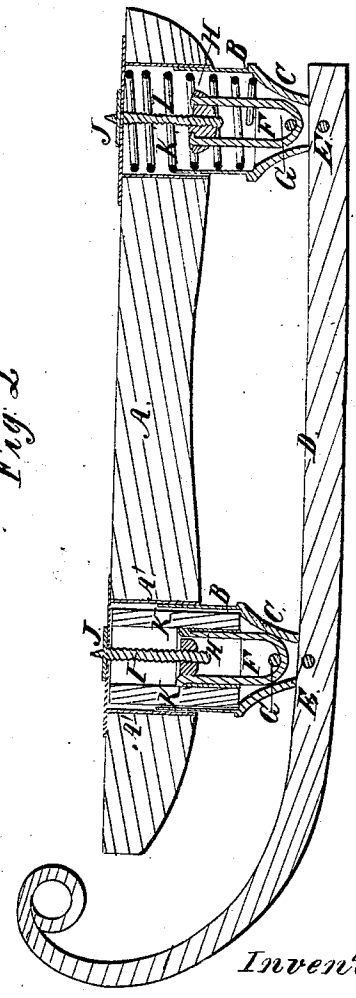


Fig. 2



Witnesses:

W. H. Burridge

Henry Voth

Inventor:

G. W. Ansley

A.M. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

GEORGE W. ANSLEY, OF CLEVELAND, OHIO.

IMPROVEMENT IN SKATES.

Specification forming part of Letters Patent No. **36,595**, dated October 7, 1862.

To all whom it may concern:

Be it known that I, GEORGE W. ANSLEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Skates; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view, and Fig. 2 is a longitudinal section.

My invention relates to the mounting the sole of the skate upon springs in such a manner as to give an easy motion between the sole and the runner, and which is capable of adjustment for a lighter or heavier person, giving thereby an easy and elastic motion to the foot of the wearer.

A represents the sole of the skate, and A′ a circular cavity lined with metal, and in which slides the circular case B, which is firmly secured to the shank C. The runner or skate-iron D is pivoted to the shank C at E in such a way as to allow the skate-iron to adjust itself to the action of the springs, hereinafter to be described, when in use, the pivot forming a kind of joint, so as to coincide with the movement of the springs at either end.

F is a bail or loop embracing the pin G, passing through the lower part of the shank C. The two ends of this loop F are secured to the nut H, in which works the screw I, the head of which is seen at J.

K represents a gum-elastic spring placed inside of the forward circular case, B, and extending from the base of the case B to the plate *a* upon the upper side of the sole A.

K′ represents a coiled-wire spring placed in the heel-case B, one end of which rests in the base, the upper end resting against the under side of the plate *a*′.

By turning the screw I by means of the head J both springs can receive more or less tension or condensation, as may be desired for a light or heavy person, as the nature of the case may require, the circular case B being thereby adjusted upward or downward in the cavity A′. The pin G being within the loop F, allows the springs to vibrate up and down as far as may be desired to give an easy motion to the foot of the wearer, the nut H moving up and down on the ends of the loop F, or from the space between the pin G and the runner D the loop F has room for sufficient motion for the action of the springs, and in the action of the springs the case B moves up and down in the cavity A′, as above stated.

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

The herein-described special arrangement of the cavity A′, case B, and springs K K′, when these parts are combined with the pivoted shank C, loop F, and adjusting-screw I, as and for the purpose specified.

G. W. ANSLEY.

Witnesses:

W. H. BURRIDGE,

HENRY VOTH.