

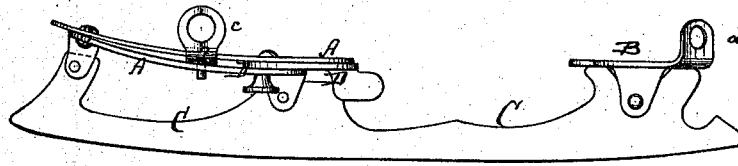
*M. Kinsey,*

*State.*

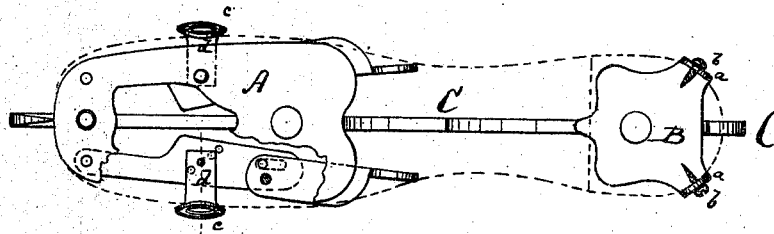
*No. 112604.*

*Patented Mar. 14. 1871.*

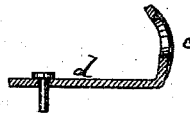
*Fig. 1.*



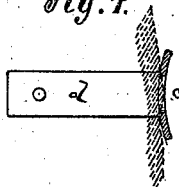
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



**Witnesses:**

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**PER**

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# United States Patent Office.

MOSES KINSEY, OF NEWARK, NEW JERSEY.

Letters Patent No. 112,604, dated March 14, 1871.

## IMPROVEMENT IN SKATES.

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, MOSES KINSEY, of Newark, in the county of Essex and State of New Jersey, have invented a new and improved Skate; 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 drawing forming part of this specification.

Figure 1 represents a side view of my improved skate.

Figure 2 is a plan or top view, partly in section, of the same.

Figure 3 is a detail transverse section of one of the front clamps.

Figure 4 is a detail horizontal section of the same. Similar letters of reference indicate corresponding parts.

This invention relates to a new means of securing skates to the heels and soles of boots or shoes, and consists in the use of perforated ears or jaws which project from the foot-support of the skate. These perforated ears are useful for suspending the skates from pins which project from the sides of the heel, and also for biting against the edge of the sole, and thereby holding the front part of the skate.

A in the drawing represents the foot-support of the skate, made either separate from or connected with the heel-plate B of the same, of metal or other suitable material.

C is the skate-runner.

From the heel-plate project one or two perforated ears, *a*, either at the sides or back of the same, or

obliquely, as shown in fig. 1. These ears can be readily hooked over headed pins or screws *b*, that project from the heel of the boot or shoe to which the skate is to be secured. They constitute a very reliable fastening, and can be readily applied.

The front jaws C C of the skate are also made in the form of perforated ears, projecting from sliding or pivoted shanks *d*, that are connected with suitable levers D D, whereby they can be set apart or moved together, as may be desired.

The jaws C are perforated, and preferably bent in such manner as to be convex in the horizontal section, as shown in fig. 4. The effect of this style of jaw will be the biting of the edges of the aperture into and against the edge of the sole, and the bulging out of the sole within said aperture, as is clearly indicated in fig. 4.

This will, therefore, be a very reliable fastening, of the simplest possible construction.

Having thus described my invention,

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

1. A heel-plate, B, having ears *a a*, slotted to fit over and be suspended from nails already attached to the boot, as described.

2. A foot-support, A, having perforated ears *c c*, curved forward to catch upon and firmly hold to the edge of the boot-sole, without pins, screws, or any other attachment.

MOSES KINSEY.

Witnesses:

GEO. W. MABEE,  
ALEX. F. ROBERTS.