

M. Kinsey,

State.

No. 88,393.

Patented Mar. 30. 1869.

Fig. 1.

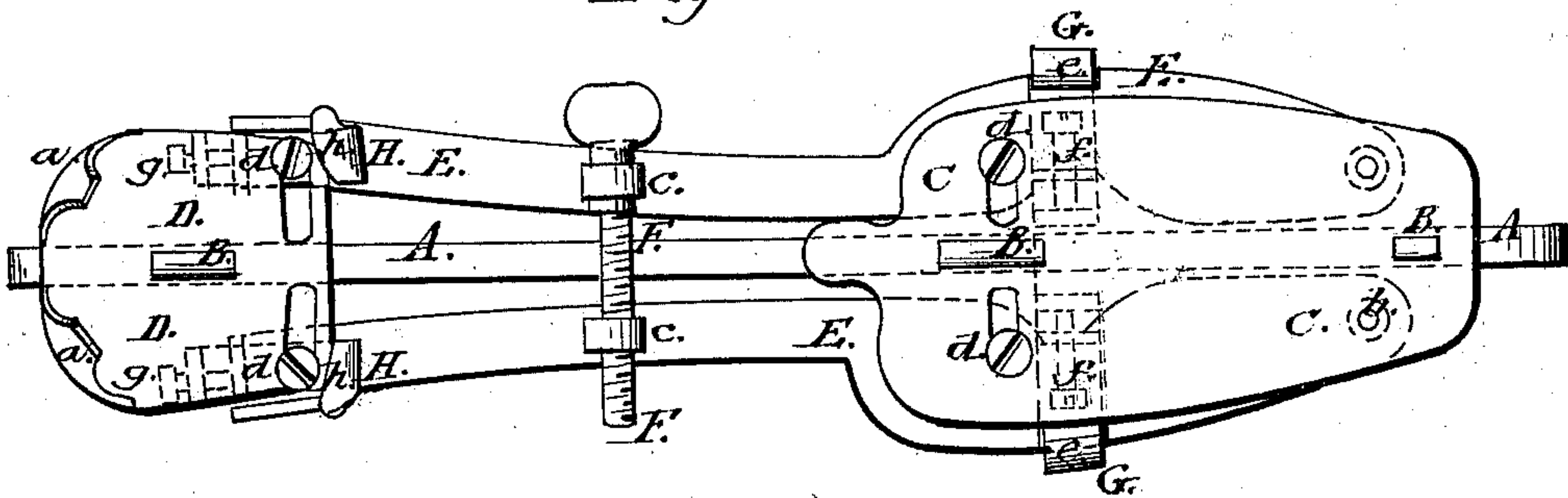
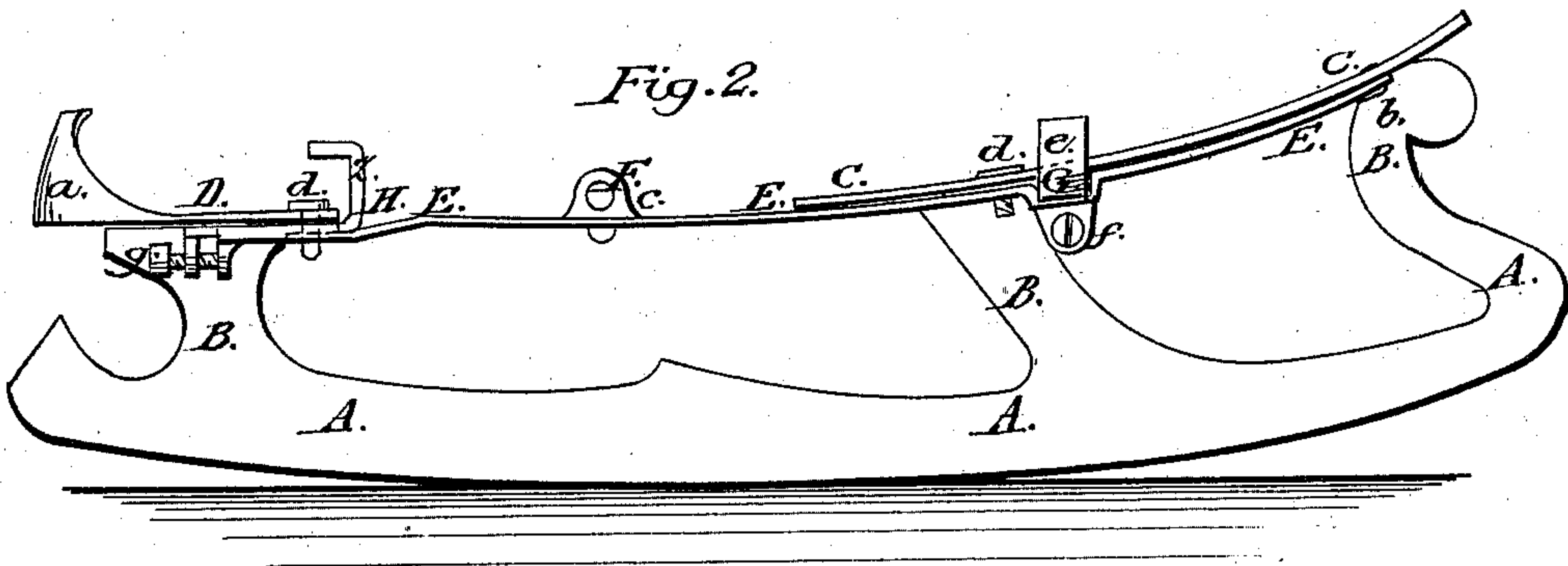


Fig. 2.



Witnesses:
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MOSES KINSEY, OF NEWARK, NEW JERSEY.

Letters Patent No. 88,393, dated March 30, 1869.

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 drawings, forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved skate.

Figure 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new adjustable skate, which can be applied to larger or smaller feet, and conveniently attached and taken off.

The invention consists chiefly in the application of two plates, which are pivoted to the front of the skate, and which extend to the rear of the same, they being adjustable, at any angle to each other, by means of a screw.

These plates carry the front and heel-fastening clamps, which are, moreover, laterally adjustable on them.

The invention also consists in the use of adjustable wedge-shaped heel-clamps, which are adapted to firmly secure heels, of all sizes and shapes, to the skate.

A, in the drawing, represents the skate-iron. It is of suitable form and construction.

On standards, B B, the skate-iron supports, respectively, the front plate C, and the heel-support D, the latter having projecting lugs *a a*, on its back edge, as shown.

E E are two long plates, or bars; pivoted, with their front ends, by means of pins *b b*, to the under side of the front plate C, near to the front end of the same, and on both sides of the standards B, as shown.

These plates can be freely swung on their pivots *b*, and can, by a screw, F, which works in lugs *c c*, that project from their upper or lower surfaces, be locked at any desired angle, so that their rear ends are a desired distance apart.

Headed pins *d d* project, from the plates E, through

slots in C and D, to give greater steadiness and strength to the plates E, without impeding their adjustment.

On the plates E E are arranged, under the plate C, laterally-adjustable plates G G, which have projecting lugs *e e*, that form the front clamps of the skate.

These plates G can be set, by means of screws *f f*, that work in lugs projecting from E, so as to clamp a boot of any width on the skate, after the position of the plates E has been determined by the screw F.

Similar sliding plates H are arranged on the rear ends of the plates E, under the heel-plate D.

They are longitudinally adjustable on the plates E, and can be set by means of set-screws *g g*, as indicated in fig. 2.

The lugs *h*, projecting from the plates H, have their upper horizontal parts wedge-shaped, as in fig. 1.

The edges of these wedges are to be fitted against the front inner side of the heel.

This skate is applied as follows:

The plates H are first adjusted to the length of heel, and then, when the foot is on the skate, the screw F is turned, until the wedges *h* clamp the heel firmly. Then the plates G are adjusted, to make them clamp the side of the foot.

In place of the screw F, a slotted pivoted lever, or other equivalent device, may be used, to set the plates E.

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

1. The plates E E, pivoted to the front of the skate, and provided with the adjustable toe-clamps G, and heel-clamps H, and adjusted by means of the transverse screw F, in combination with the toe-plate C and heel-plate D, all arranged and operating as described, for the purpose specified.

2. The application, to a skate-fastening, of the longitudinally and laterally-adjustable wedge-shaped heel-clamps H *h*, when the same are so arranged as to fit against the inner side of the heel, as set forth.

The above specification of my invention signed by me, this 25th day of January, 1869.

Witnesses:

MOSES KINSEY.

FRANK BLOCKLEY,
E. GREENE COLLINS.