

C. T. Day,

Skate.

No. 101,108.

Patented Mar. 22. 1870.

Fig. 1.

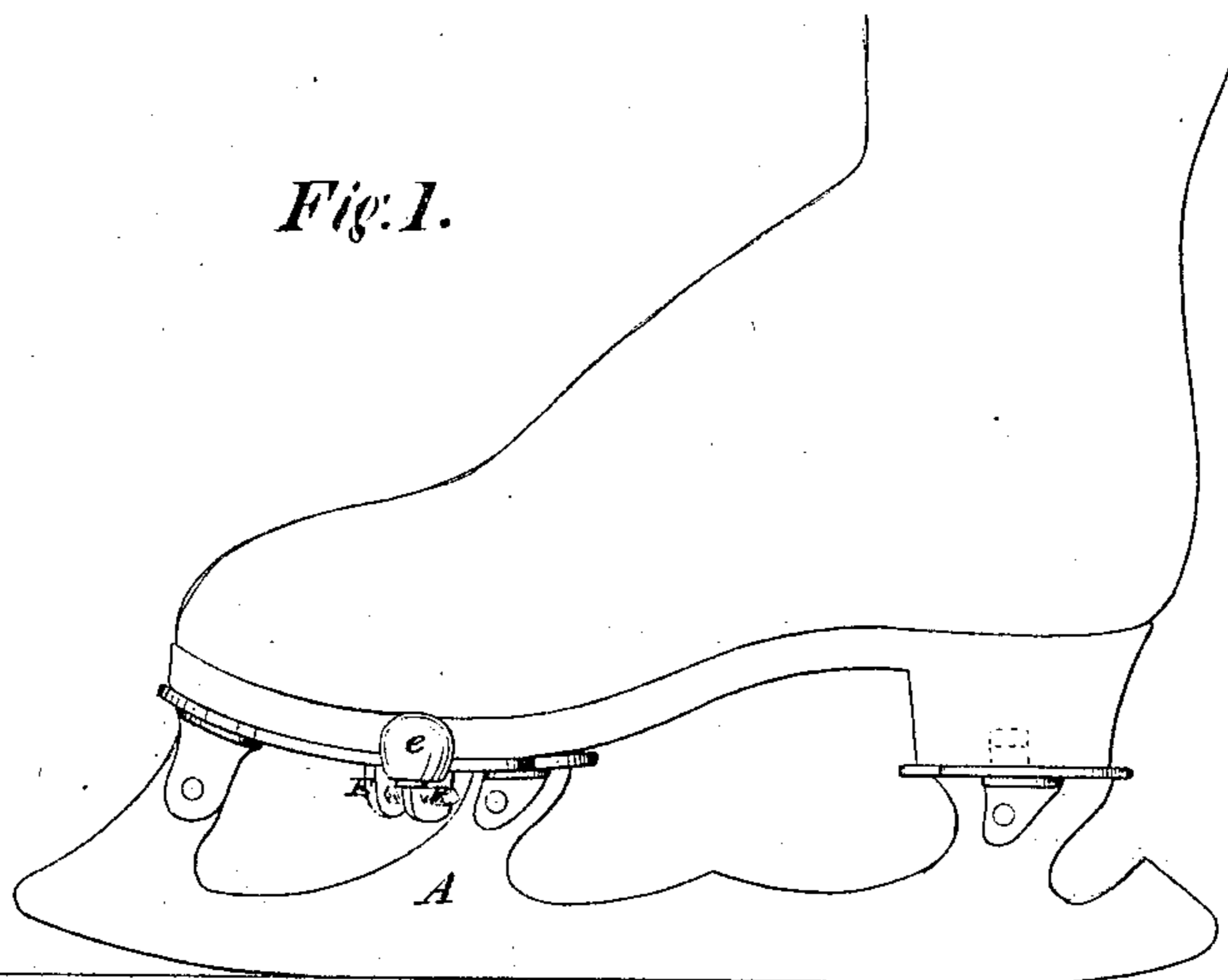


Fig. 4.

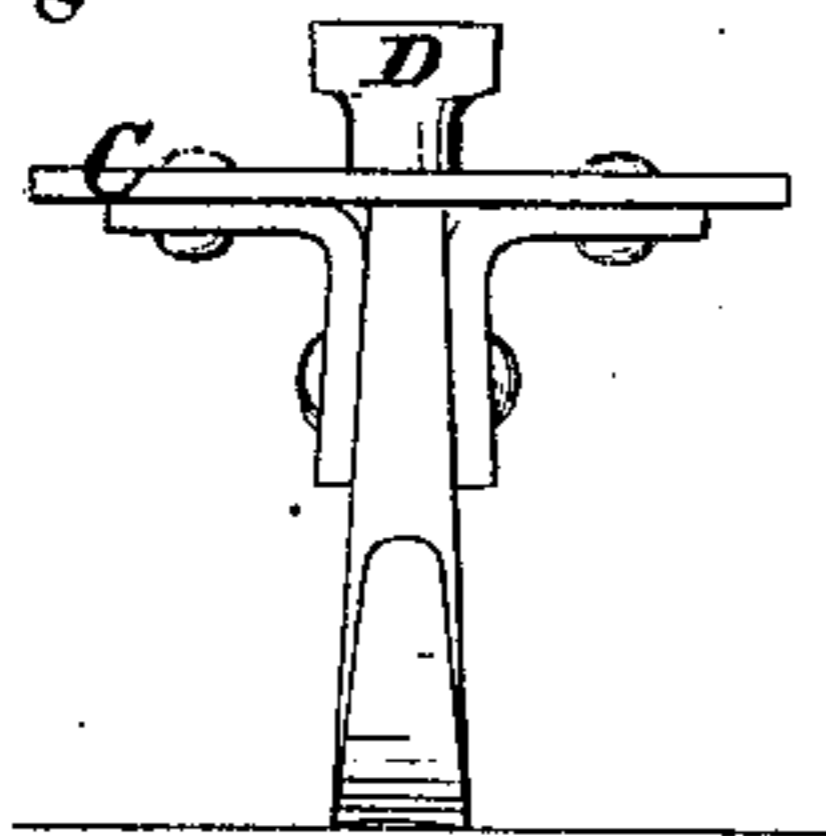


Fig. 3.

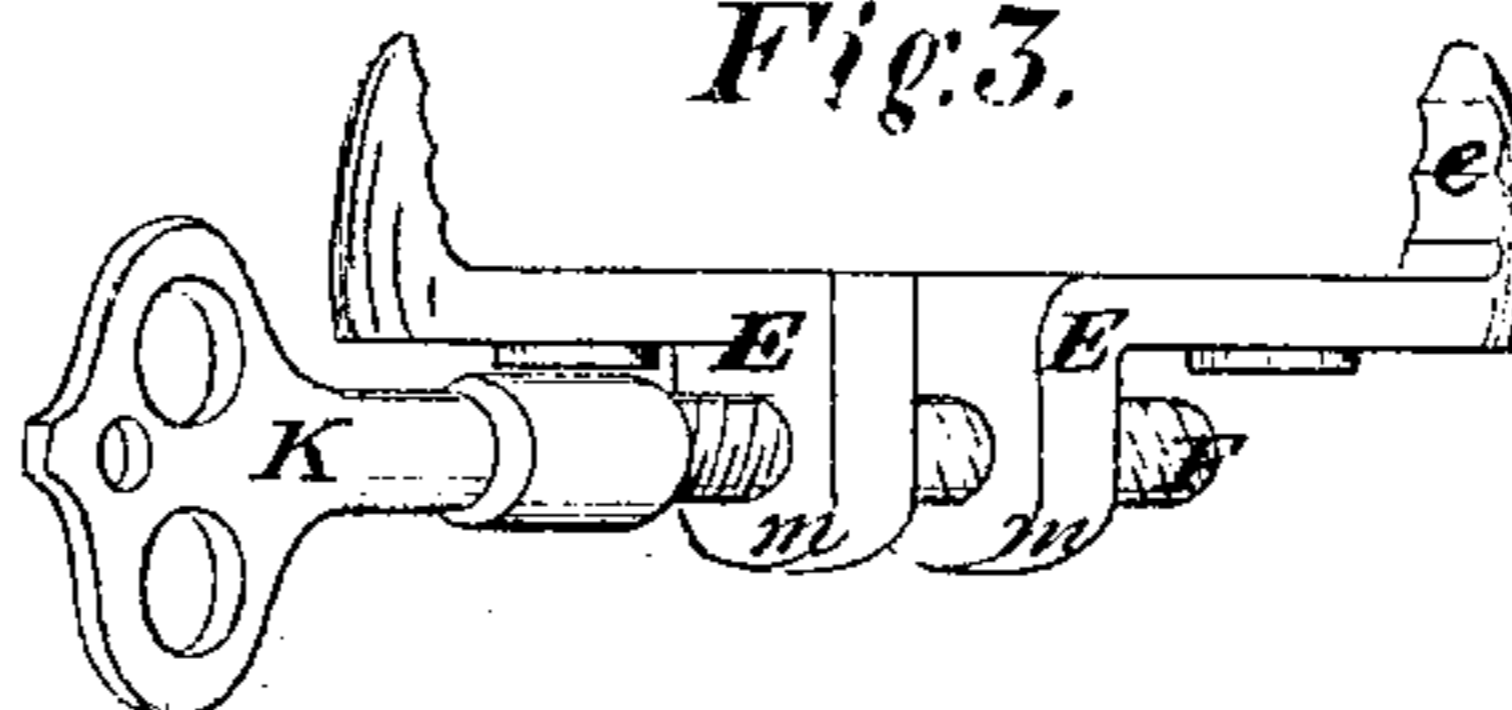
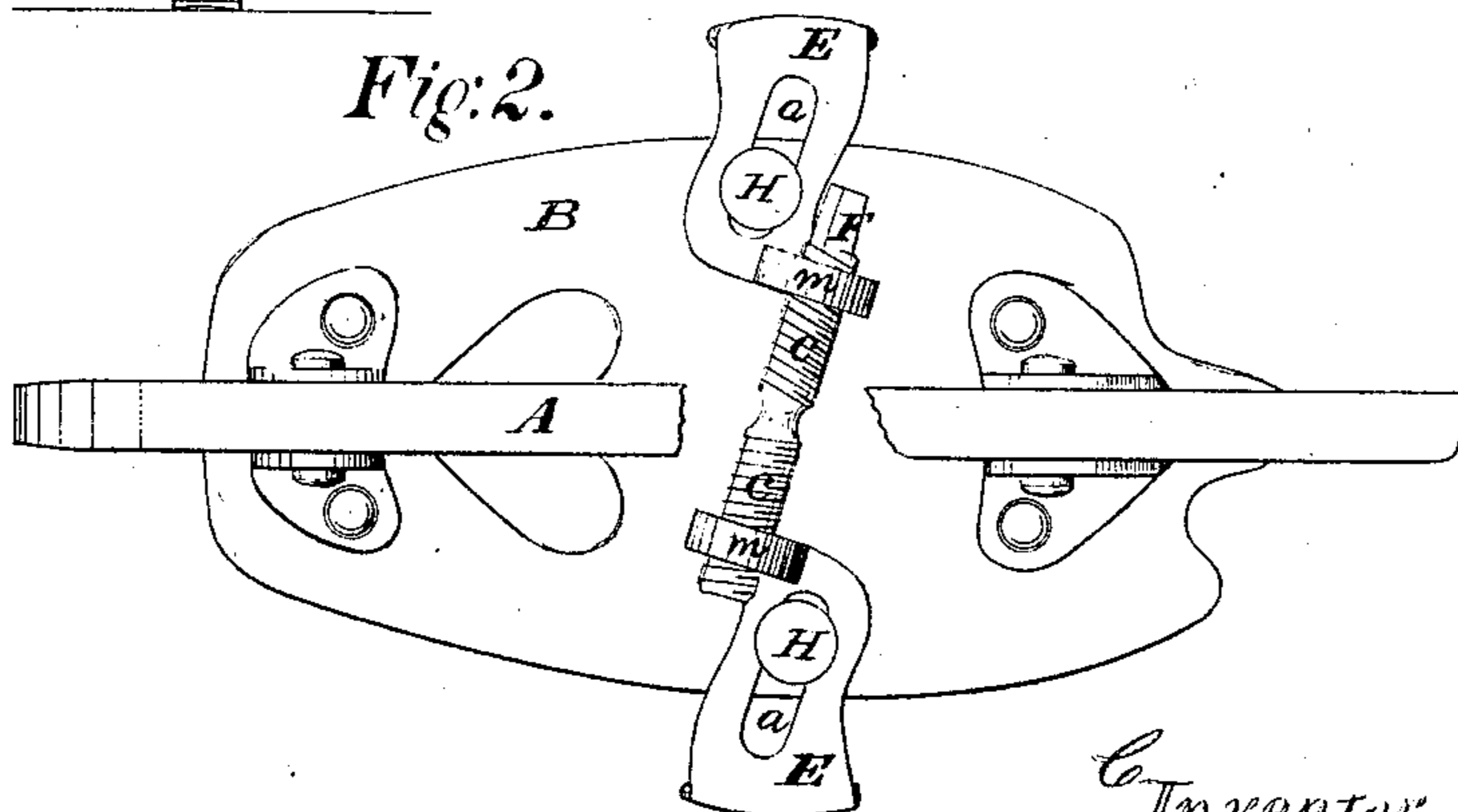


Fig. 2.



Witnesses.

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CHARLES T. DAY, OF NEWARK, NEW JERSEY.

Letters Patent No. 101,108, dated March 22, 1870.

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, CHARLES T. DAY, of Newark, in the county of Essex and State of New Jersey, have invented a new and valuable Improvement in Skates; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a representation of my invention, as applied to the shoe.

Figure 2 is a bottom view of the skate.

Figures 3 and 4 are details.

My invention relates to skates, and consists mainly in the construction and novel arrangement of the clamping device, whereby the foot-plate is attached to the sole of the shoe, in skates of the style known as the "New York club skate."

The letter A, of the drawings, designates the runner of such a skate.

B, the metal foot-plate.

D, the heel-stud, adapted to secure the skate, by its insertion into a suitable socket, in a plate secured to the heel of the boot.

E E represent my foot-clamps, corrugated or toothed at *e*, and provided with the slots *a a*, whereby they are secured to the studs H H of the foot-plate.

Flanches *m m* are formed on the inner ends of the clamps E E, and extend somewhat to one side, in such a manner that the screw F, whereby they are connected, may be placed as closely as possible to the foot-plate.

The operating-screw F is provided with double

threads, *c c*, diverging from each other, and thus dispensing with a collar. Sometimes a single-thread screw and collar may be employed.

The slots *a a* are parallel to each other and to the screw F, which is arranged obliquely to the skate-runner, as shown.

The advantages of my oblique clamps are many and practical. The screw being placed to one side of the stud H, the slot may be made long, thereby allowing the clamps to be spread wide apart.

The screw F not being over the studs can be placed close to the foot-plate, and will therefore not be liable to catch in the ice when the skate is inclined. The screw is also thrown around in a position more convenient for using the key.

Lateral motion of the foot upon the foot-plate is prevented by the firm bearing of the oblique slots against the studs, thereby keeping the clamps from sliding from side to side under the foot-plate.

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

The skate-clamps E E, provided with the eccentric nuts *m m*, and arranged to move to and from each other, in parallel directions, oblique to the runner of the skate, and operated by the oblique screw F, in the manner and for the purposes herein shown and described.

In testimony that I claim the above, I have hereto subscribed my name in the presence of two witnesses.

CHARLES T. DAY.

Witnesses:

GEO. M. DAWES,
RALPH H. PRINCE.