

W. L. Gregory,
 Skate,
 No 34,611, Patented Mar. 4, 1862.

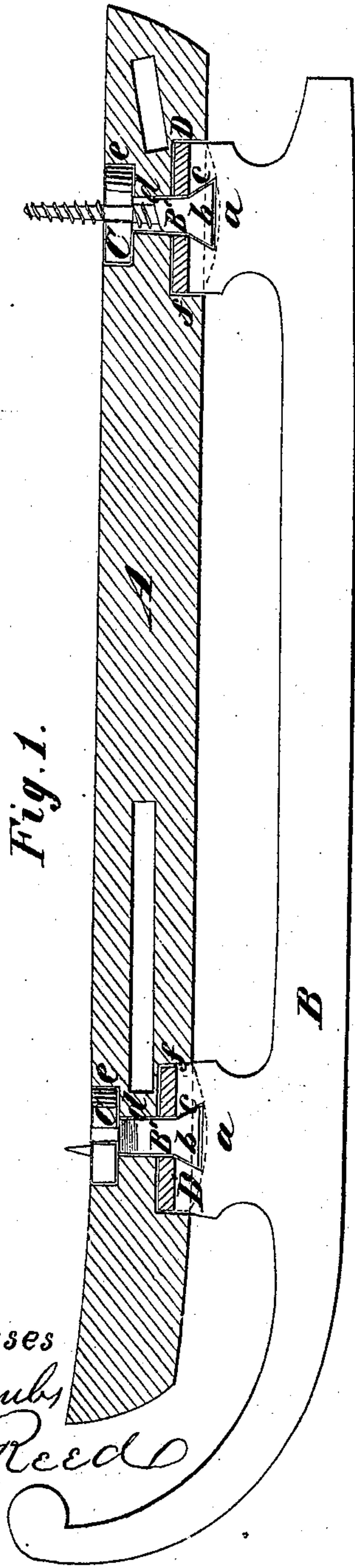
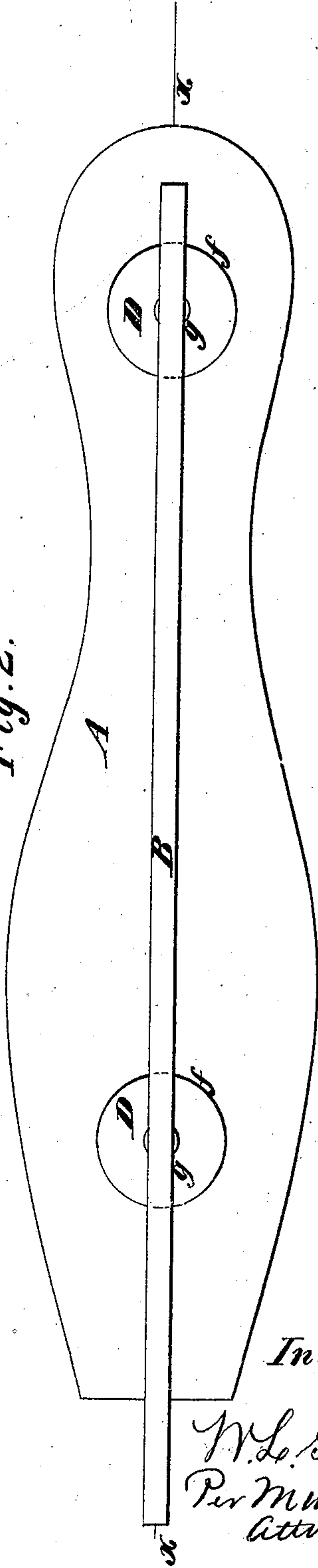


Fig. 1.

Witnesses
 J. W. Coombs
 G. W. Reed

Fig. 2.



Inventor

W. L. Gregory,
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 Attorneys

UNITED STATES PATENT OFFICE.

WILLIS L. GREGORY, OF AMSTERDAM, NEW YORK, ASSIGNOR TO HIMSELF
AND GARDNER LANDON, JR., OF SAME PLACE.

IMPROVEMENT IN SKATES.

Specification forming part of Letters Patent No. 34,611, dated March 4, 1862.

To all whom it may concern:

Be it known that I, WILLIS L. GREGORY, of Amsterdam, in the county of Montgomery and State of New York, have invented a new and useful Improvement in the Construction of Skates; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section of my invention, taken in the line xx , Fig. 2; Fig. 2 a bottom view of same.

Similar letters of reference indicate corresponding parts in the two figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the stock of the skate, which may be of wood, and B the runner, of metal, steel being the preferable material. This runner has two knees $a a$, one near the front and the other near the back end. These knees may be of the usual form, and each has a wood-screw B' fitted in it, the heads b of the screws being formed with parallel sides and fitted in V-shaped recesses c in the tops of the knees. By this arrangement it will be seen that the screws are attached to the knees by a dovetail connection, and the screws pass through openings d in the stock and have nuts C on them, which fit in circular recesses e in the upper surface of the stock, the nuts being flush therewith, as shown in Fig. 1.

In the under surface of the stock A there are circular recesses f , which are concentric with the openings d and receive circular metal plates D, which have each a recess or groove g in them, and these recesses or grooves receive the upper ends of the knees $a a$ and the heads b of the screws B' , the screws passing through the centers of the plates. These plates D therefore are sockets, and serve to retain the heads b of the screws in the knees, and also serve as firm bearings for the upper ends of the knees.

The nuts C, by being screwed down in the recesses e , draw the upper ends of the knees $a a$ snugly into the sockets D. The screw B' at the back part of the skate is made sufficiently long to project above the stock A and serve as a spur to enter the heel of the boot or shoe. The front screw B' is cut or filed off flush with the upper surface of the stock A.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the screws $B' B'$ with the runner-knees, caps D D, nuts C C, and stock A, in the manner herein shown and described.

WILLIS L. GREGORY.

Witnesses:

GARDNER LANDON, Jr.,
E. T. LANDON.