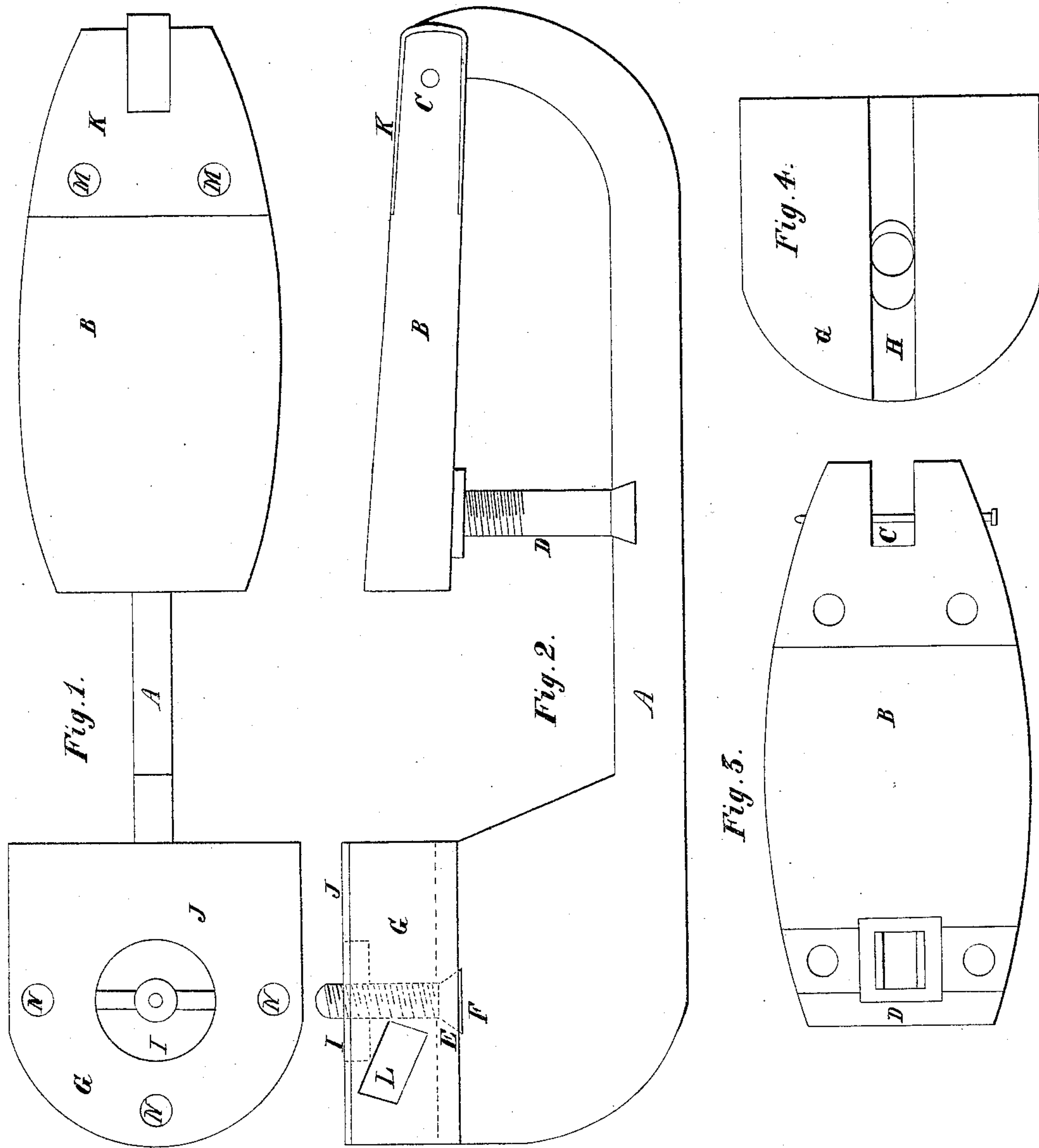


E. H. Graham,

Skate,

Nº 30,278.

Patented Oct. 2, 1860.



Witnesses

J. E. Dennis

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EDWARD H. GRAHAM, OF MANCHESTER, NEW HAMPSHIRE, ASSIGNOR TO BENJN. H. WHITCOMB.

SKATE.

Specification of Letters Patent No. 30,278, dated October 2, 1860.

To all whom it may concern:

Be it known that I, EDWARD HUGH GRAHAM, of Manchester, in the county of Hillsboro and State of New Hampshire, have invented certain new and useful Improvements in Skates; and I do hereby declare that the same are described and represented in the following specification and drawings.

To enable others skilled in the art to make and use my improvements I will proceed to describe their construction and use referring to the drawings in which the same letters indicate like parts in each of the figures.

Figure 1 is a plan or top view of a skate with my improvements. Fig. 2, is an elevation of a skate with my improvements. Fig. 3, is a plan of the under side of the toe pad. Fig. 4, is a plan of the under side of the heel pad.

The nature of my invention and improvements in skates consists in hinging the fore end of the toe pad to the runner, so that it may be vibrated and adjusted to the height of the heel of the boot or shoe as required, and in arranging a screw under the rear end of the toe pad, to rest upon the runner, and adjust and support the rear end of the toe pad. Also in fastening the heel pad to the runner, by a dovetailing score in the runner, a groove in the heel pad and a screw.

In the accompanying drawings, A, is the skate iron or runner, made in the form shown or in such other form as will answer the purpose.

B, is the toe pad hinged to the fore end of the iron by the pin C, as shown in the drawing. The rear end of the pad B, is supported by the adjusting screw D, which is fitted to a female screw or nut, fastened to the under side of the rear end of the pad B, as shown in Fig. 2. The score in the head of the screw D, is made wide enough to receive the edge of the iron A. The pad B, may be adjusted higher or lower as desired by raising the head of the screw D, from the iron A, and turning the screw and then returning the head to the iron A. In this way the toe pad may be adjusted to suit a boot with either a high or low heel.

There is a dovetailing score E, in the rear end of the runner A, for the head of the screw F, which holds the heel pad to the runner; the heel pad G, being grooved as shown at H, to receive the edge of the runner; and the top of the pad is countersunk for the nut I, which is screwed down into and onto the pad, to hold it firmly in its place, the point of the screw may project above the pad to serve as a spur to aid in holding the boot heel in place. The heel pad may be strengthened by the metal plate J, and the fore end of the toe pad by the metal plate K, and a metal plate may be applied to the rear end of the toe pad if desired. The heel strap is put through the mortise L in the pad G, and the toe strap may be fastened to the under side of the pad B, or put through a mortise in it if preferred that way. M, M, are rivets to fasten the plate K, to the toe pad; and N, N, are rivets to fasten the plate J, to the heel pad G.

The heel and toe pads I have described, are made of wood but I contemplate that they may be made of wrought or cast metal, and that the rear end of the runner may be perforated, and the heel pad cast onto the runner, so as to hold it firmly.

I believe I have described and represented my improvements in skates so as to enable any person skilled in the art to make and use them.

I will now state what I desire to secure by Letters Patent, to wit:

1. Hinging the fore end of the toe pad to the runner so that it may be vibrated and adjusted to the height of the heel of the boot or shoe as required.

2. In combination with a toe pad hinged to the runner as above claimed, the screw D, or its equivalent for adjusting and supporting the rear end substantially as described.

3. Fastening the heel pad to the runner by means of the dovetailing score E, groove H, and screw F, substantially as described.

EWD. H. GRAHAM.

Witnesses:

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