

(Model.)

J. A. WHELPLEY.

SKATE.

No. 262,712.

Patented Aug. 15, 1882.

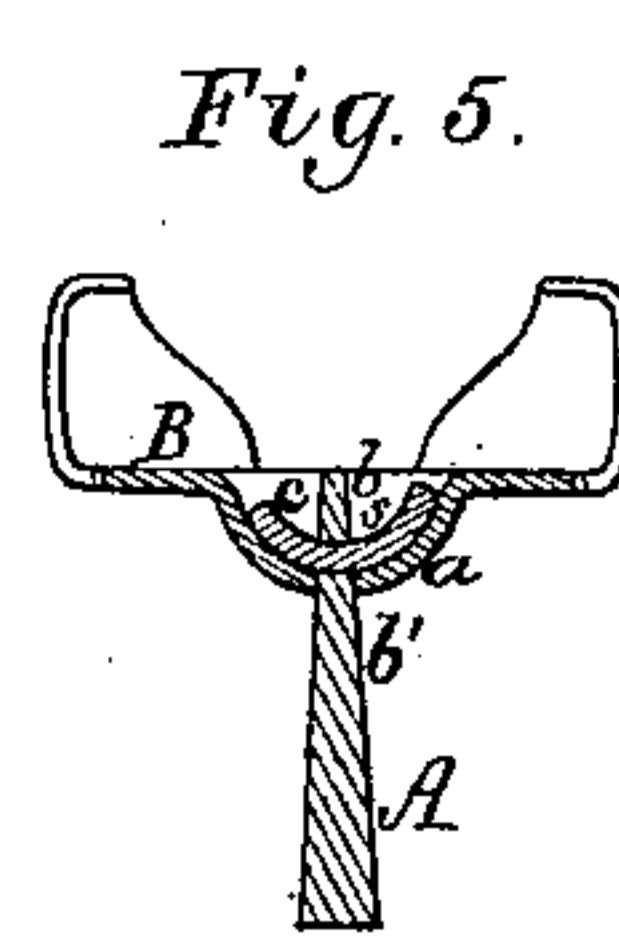
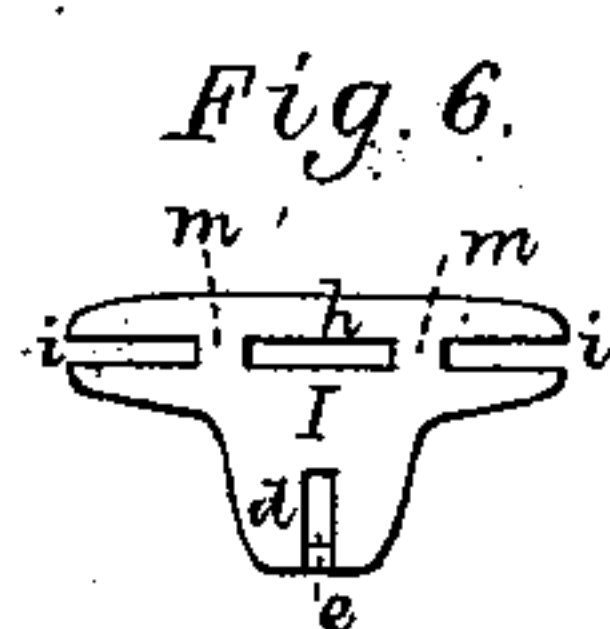
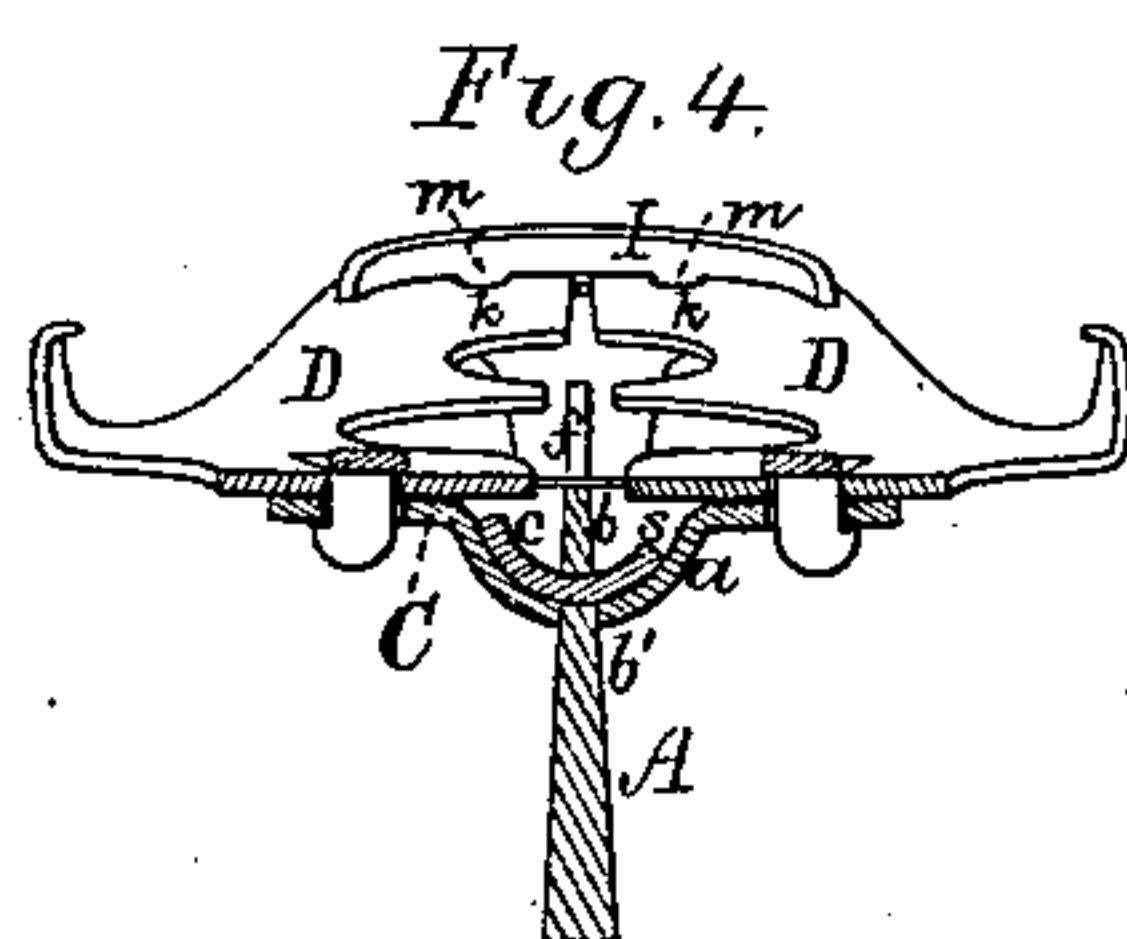
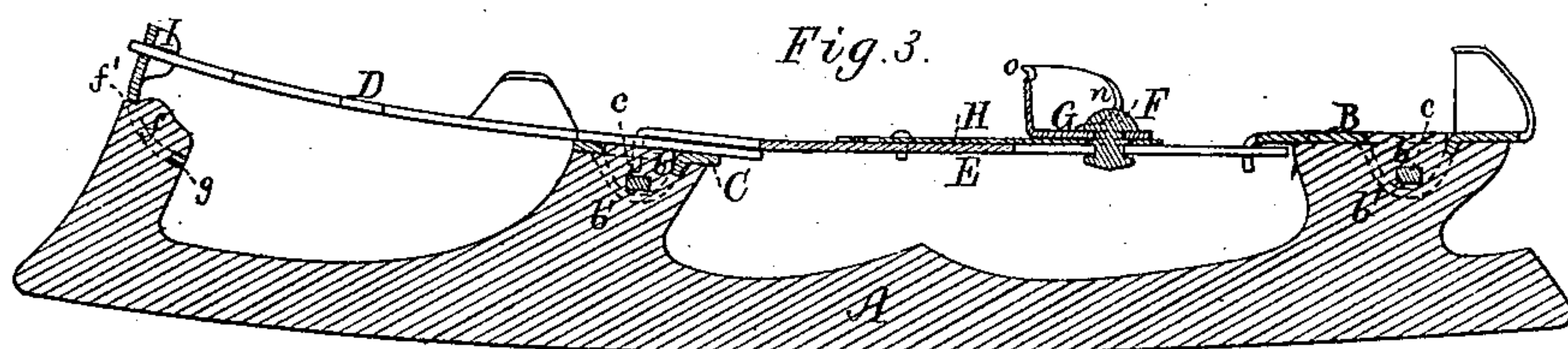
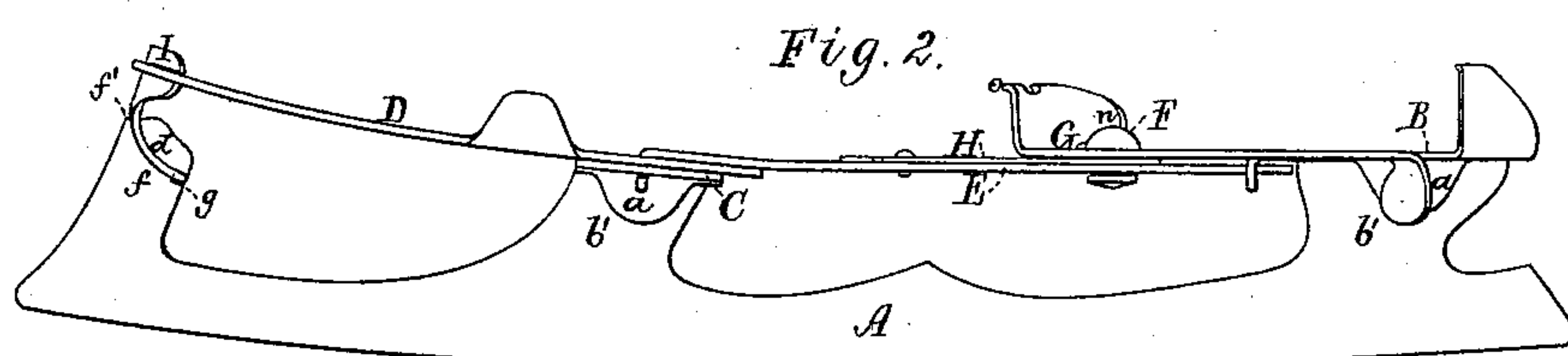
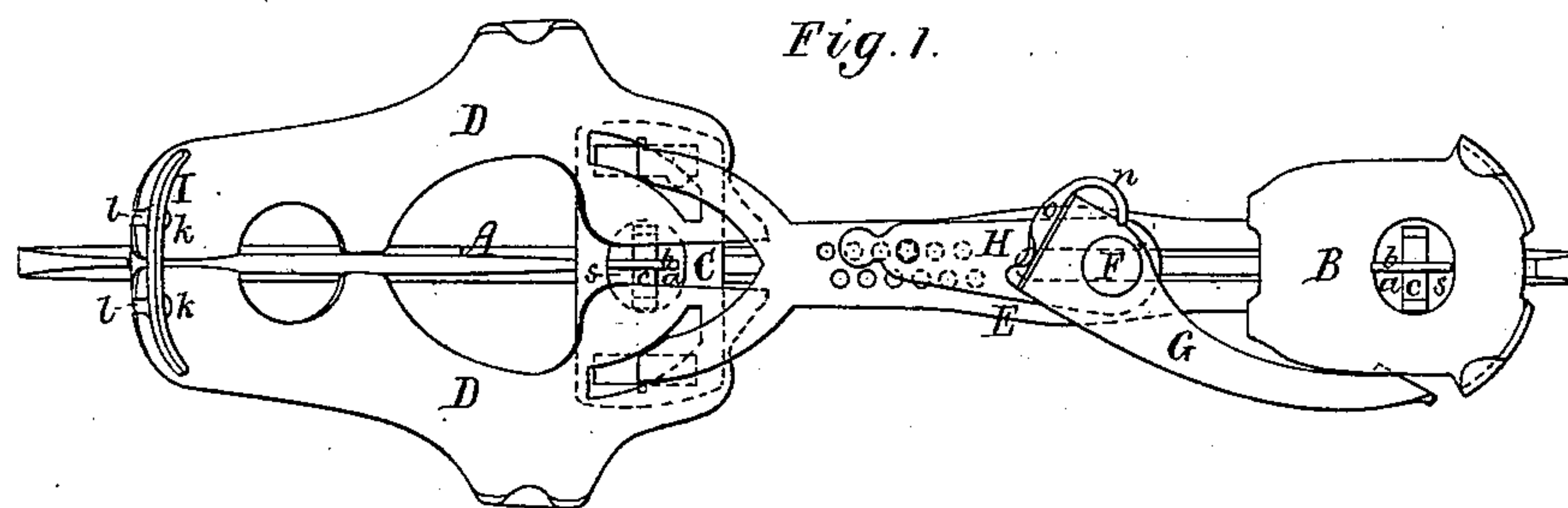


Fig. 7.

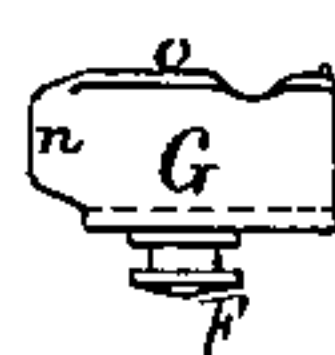
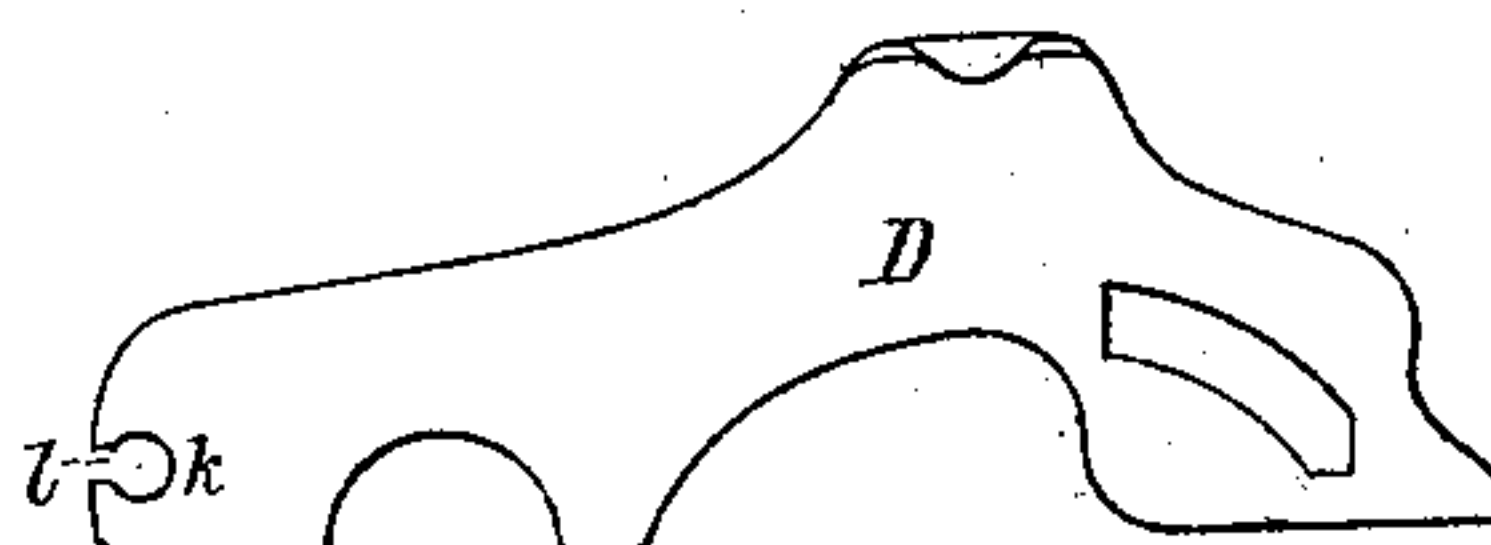


Fig. 8.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES A. WHELPLEY, OF GREENWICH, NEW BRUNSWICK, CANADA.

SKATE.

SPECIFICATION forming part of Letters Patent No. 262,712, dated August 15, 1882.

Application filed February 20, 1882. (Model.)

To all whom it may concern:

Be it known that I, JAMES A. WHELPLEY, of Greenwich, in the county of Kings, of the Province of New Brunswick, of the Dominion of Canada, have invented a new and useful Improvement in Skates; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a longitudinal section, and Figs. 4 and 5 transverse sections, of a skate provided with my invention. Fig. 6 is a front view of its jaw-carrier pivotal supporter. Fig. 7 is a rear end view of the eccentric lever, to be described. Fig. 8 is a top view of one the jaw-carriers D.

My present invention relates to the skate described and represented in the United States Patent No. 239,996, granted April 12, 1881, on an improvement invented by myself, the nature of my said present invention being set forth in the claims hereinafter presented.

In the drawings, A denotes the skate-runner; B, the heel-rest; C, the jaw-carrier rest; D D, the two jaw-carriers; E, the furcated slide; F, the two-headed button; G, the eccentric lever, of which the said button is the fulcrum. H is the flat spring-latch, such devices being such as described in the said patent, or equivalents therefor. In the patented skate the runner was permanently fixed to the heel-rest, the jaw-carrier rest, and to the toe-cap or jaw-carrier pivotal supporter by angle-irons or brackets and rivets, whereby it became a difficult matter to grind down or clean the runner in case of it becoming soiled or oxidated. With my improvement the runner can easily be separated from either of the parts immediately applied to it, so that in case of the runner or such part becoming soiled, rusted, or broken the necessary repair or substitution can easily be effected.

In the drawings, the heel-rest B and the jaw-carrier rest C are each shown as provided with a concavo-convex or cup-shaped projection, *a*, which, extending down from such rest and in one piece with it, is open at top, and is also slotted to receive a tenon, *b*, extending up from the runner-post *b'* into the space within the pro-

jection. The part of the tenon which is within the projection is perforated to receive a curved wedge or key, *c*, which, on being driven into the tenon and against the bottom of the space or chamber *s* in the projection, serves to connect the runner to the said rest. The projection by embracing the runner on its opposite sides firmly holds it at right angles to the said rest.

The pivotal supporter, by which the two jaw-carriers D D are connected with the runner and are enabled to move laterally, is shown at I, it being a metallic plate curved as shown, and provided with a projection, *d*, extending down from it at its middle, and curved as represented. Such projection is slotted at *e* to receive the head of the toe-post *f* of the runner, such post being notched at *f'* and *g* to receive and support the projection. Furthermore, the supporter I has a median slot, *h*, and two lateral slots, *i i*, made in it, as represented. Each of the jaw-carriers D has formed in it at its front end a circular hole, *k*, with an opening, *l*, leading out of it, as shown. Such opening has a width a trifle greater than the thickness of the supporter I, but less than the width of each of the parts *m* of the supporter that are between its slots *h i i*. It is to be understood that each part *m* has a width a trifle less than the diameter of the hole *k*.

On the supporter I being adapted to the toe-post of the runner and to the two jaw-carriers D D in manner as represented, and their rest is secured in the runner, the said jaw-carriers become pivoted to the supporter, and by it connected with the said post. On removing the two rests from the runner and the furcated slide E from the jaw-carriers the latter may be easily separated from the supporter I and the latter from the toe-post, from which it will be seen how the runner may be divested of the parts over it preparatory to the runner being ground or cleansed.

The eccentric lever G is provided with a curved bearing, *n*, and flange *o*, arranged as shown, the bearing being to bear directly against the front edge of the heel of the boot or shoe of a skater, and the flange being to enter the heel while the lever may be in the act of being moved up to the heel. The eccentric lever differs from that shown in my aforesaid

patent, in which the curved bearing served the purposes of a bearing and a flange, whereas in my improved eccentric lever the flange projects from the bearing, which extends below the flange, and is to bear against, without entering, the heel of the boot of the skater. With my improvement the said heel cannot be split horizontally by the flange when the bearing is against it, (the said heel.)

What I claim as my improvement is as follows, viz:

1. The jaw-carrier pivotal supporter I, provided with the slots *e*, *h*, *i*, and *j*, arranged as set forth, in combination with the jaw-carriers and toe-post of the runner notched, as explained, to engage with such supporter, in manner as specified.

2. The runner having the notches in its toe-post and the perforated tenons to its median and heel posts, as described, in combination with the two rests B C, having the concavo-convex and slotted projection *a*, and also with the jaw-carrier pivotal supporter I, constructed and provided with slots, as set forth, and also with the jaw-carriers notched at their toes or front parts in manner to connect with the said supporter, all being substantially as represented.

JAMES A. WHELPLEY.

Witnesses:

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E. B. PRATT.