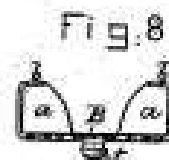
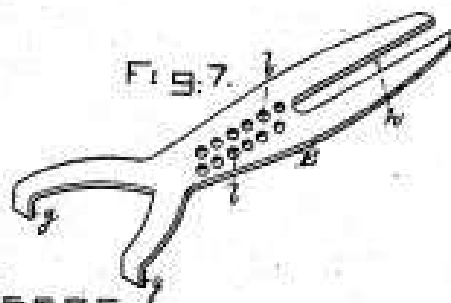
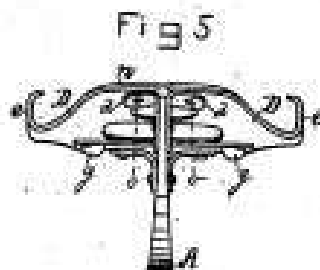
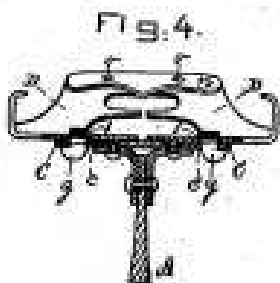
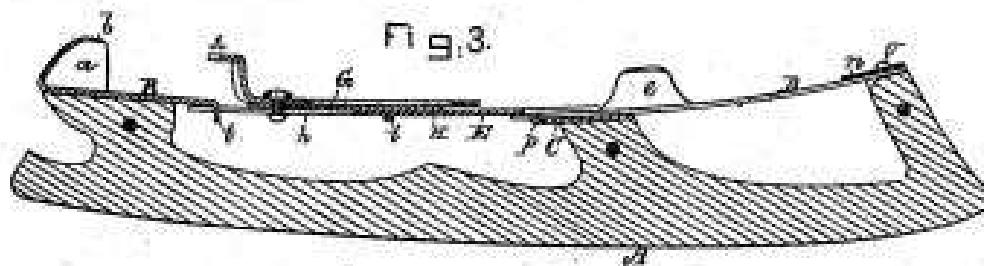
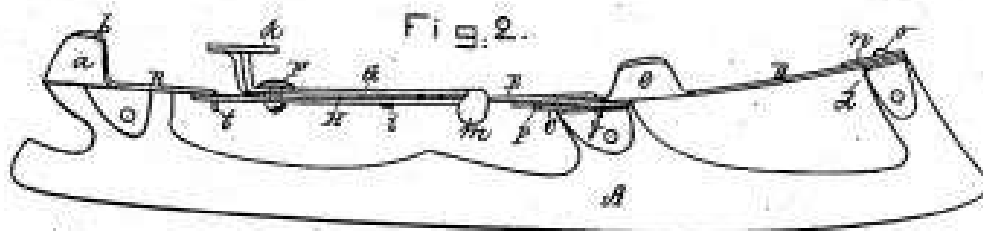
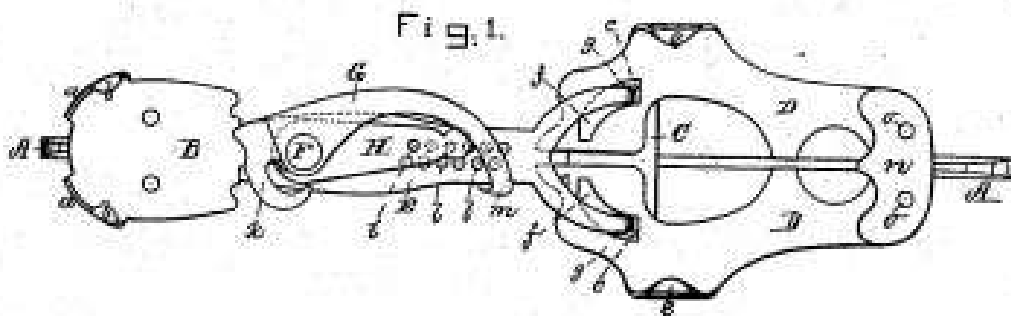


(No Model.)

# J. A. WHELPLEY. Skate.

No. 239,996.

Patented April 12, 1881.



Witnesses.

*S. N. Piper*  
*Wm. W. Hunt*

Inventor  
*James A. Whelpley.*  
by attorney  
*R. H. Sedy*

# UNITED STATES PATENT OFFICE.

JAMES A. WHELPLEY, OF GREENWICH, NEW BRUNSWICK, CANADA, AS  
SIGNOR OF ONE-HALF TO VALENTINE GRAVES, OF BOSTON, MASS.

## SKATE.

SPECIFICATION forming part of Letters Patent No. 239,996, dated April 12, 1881.

Application filed July 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. WHELPLEY, of Greenwich, of 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, Fig. 4 a transverse section, and Fig. 5 is a front-end view, of a skate provided with my invention. Fig. 6 is a top view of the slotted rest-plate; and Fig. 7 is a perspective view of the furcated slide, to be hereinafter explained.

The nature of my invention is fully set forth in the claims presented, its purpose being to confine the skate to the shoe or boot of a person.

In the drawings, A denotes the skate-runner as furnished with a stationary heel-rest, B, such heel-rest being provided at its rear with two heel-abutments, *a a*, each of which has at its upper part a turned-in portion or lip, *b*, to enter the boot or shoe heel or extend over the upper part thereof, so as to keep the skate from slipping off the said heel.

Between the heel-out and the toe of the runner there is fixed to the latter, and to project in opposite directions therefrom, a plate, C, having slots *c* made in it, as represented. On this plate rests two jaw-carriers or arms, D D, each of which, near its front end, is pivoted to one of two projections, *d*, from the runner. Furthermore, there extends up from each of the carriers D a hooked jaw, *e*, which is formed in one piece of metal with the carriers. These jaw-carriers at their rear parts have curved slots *f* arranged in them, as shown, such slots, with the slots *c* of the rest-plate, being to receive the turned-down portions *g* of a furcated slide, E. This slide has a long slot, *h*, made in it longitudinally from its rear end, such slot being to receive a T-projection, *t*, extending down from the stationary heel-rest, and formed as shown in Fig. 8, which is a front-end view of the said heel-rest. Each turned-down portion *g* of the furcated slide is hooked, or formed as shown in Fig. 4, to extend laterally under-

neath the slotted rest-plate, such plate having leading from one of its slots a semicircular recess, *s*, arranged therewith, as shown in Fig. 6, such being to enable the furcated slide to be hooked to the rest-plate or removed therefrom, as occasion may require.

To a post or two-headed button, F, arranged to slide in the slot *h*, an eccentric-lever, G, is pivoted, such lever being formed as represented. Furthermore, there is also pivoted on the shank of the button F a flat spring-latch, H, provided near its front end with a stud or projection, *i*, to enter either hole of one or two series of holes, *l*, arranged in the furcated slide E in manner as represented.

Instead of having the latch and the holes to the furcated slide and the pivot of the eccentric-lever as explained, the said lever could be pivoted directly to the furcated slide; but in that case the skate would not be adjustable to shoe-soles differing in size.

To apply the skate to the boot of a person, the sole thereof is to be placed upon the jaw-carriers with the heel resting on the heel-rest, after which the eccentric-lever is to be turned around so as to cause its shorter arm, eccentric, or cam *k* to bear against the front of the boot-heel, such at the same time causing the furcated slide to advance and force inward the two jaw-carriers and cause their jaws to clasp or embrace the sole, so as, with the lipped abutments of the heel-rest, to firmly fix and hold the skate to the boot. When the eccentric-lever is in its advanced position its turned-down part *m* rests against the edge of the furcated slide, against which it will be borne by the action of the cam *k* against the boot-heel, the same serving to maintain the lever in its position while the skate may be in use.

To aid in holding the jaw-carriers in place use a toe cap or plate, *n*, which is arranged over them and fixed to their pivots or fulcra *o o*, all being as shown.

From each jaw-carrier there extends down immediately in rear of and against the slotted rest-plate C a small stud or projection, *p*, the object of which is to prevent undue strain of the jaw-carriers on their pivots, and especially to aid in supporting the said jaw-carriers.

I would remark that I am aware of the skates

shown and described in the United States Pat-  
ents Nos. 66,316 and 69,649, and therefore  
make no claim thereto. My improved skate  
differs from each of said patented skates in  
5 having its jaw-carriers or arms pivoted to the  
runner and slotted to co-operate with a fur-  
cated slide and an eccentric-lever, as described.  
Furthermore, my skate has to the said lever  
and slide the spring-latch and its latching-  
10 holes, such not being found in either of the  
said patented skates.

What I claim in the described skate as my  
invention is as follows:

1. The eccentric-lever arranged with the  
15 heel-rest and over and connected with the fur-  
cated slide, substantially as described, such  
slide being adapted to the slotted rest-plate  
and jaw-carriers, and such eccentric-lever  
being to operate against the heel of a shoe or  
20 boot, as explained.

2. The spring-latch arranged and combined  
with the eccentric-lever and the perforated and  
furcated slide, substantially as and to operate  
as set forth, the said lever being arranged in  
front of the heel-plate and the slide being  
25 adapted to the slotted rest-plate and jaw-car-  
riers, as specified.

3. The slotted rest-plate provided with the  
recess *s*, arranged with one of the slots of such  
plate, as shown, in combination with the fur-  
30 cated slide, having hooked turned-down parts  
*g* to enter the slots of the plate and catch in  
such plate, as set forth.

JAMES A. WHELPLEY.

Witnesses:

R. H. EDDY,  
WM. W. LUNT.