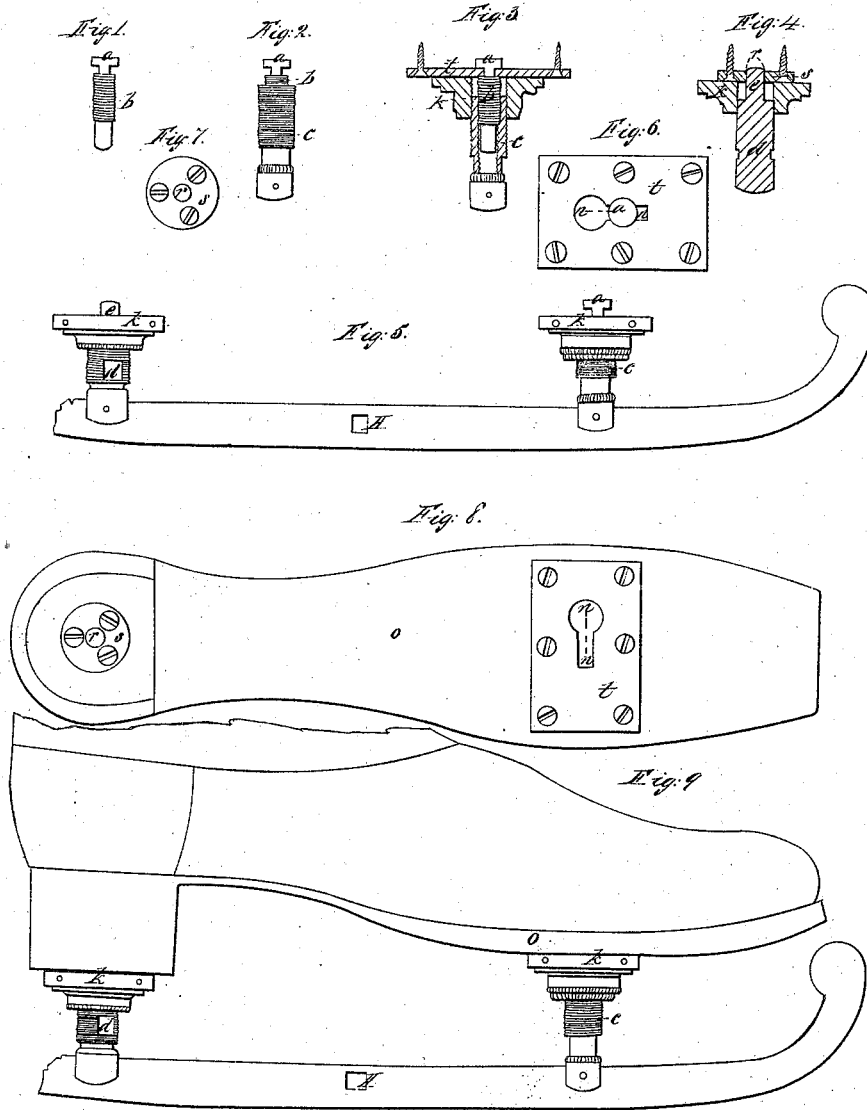


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*Skate Fastening,*

*N<sup>o</sup> 32,173.*

*Patented Apr. 30, 1861.*



*Witnesses:*  
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# UNITED STATES PATENT OFFICE.

A. BASSFORD, JR., AND W. B. CARPENTER, OF NEW YORK, N. Y.

## SKATE.

Specification of Letters Patent No. 32,173, dated April 30, 1861.

To all whom it may concern:

Be it known that we, ABRAM BASSFORD, Jr., and WILLIAM B. CARPENTER, of New York, in the county and State of New York, have invented a new and Improved Method of Fastening and Adjusting Skates to a Boot, Shoe, or Wood; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1, is a plain view of the screw-pin, *b*, with its head or button, *a*. Fig. 2, is a view of the post, *c*, showing the screw-pin *b*, with its head or button, *a*, all arranged in place. Fig. 3, is a sectional view of the post, *c*, with its collar, *k*, and screw-pin *b*, and the button, *a*, and plate, *t*, all combined and arranged for use. Fig. 4, is a sectional view of the post, *d*, stationary screw, *e*, collar, *k*, and plate, *s*, with its screw hole *r*, all combined and arranged for use. Fig. 5, is a perspective view of the skate runner *H*, with the posts, *c*, and *d*, attached thereto, with their screw-pins, *b*, and *e*, and collars, *k*, *k*, all complete. Fig. 6, is a flat view of the plate, *t*, with its slotted hole, *n-n*, showing the head or button, *a*, in its place. Fig. 7, is a flat view of the plate, *s*, with its screw hole, *r*. Fig. 8, is a flat view of the shoe sole, *o*, with the plates, *s*, and *t*, firmly fixed in their places. Fig. 9, is a perspective view of the shoe, *O*, with the skate runner, *H*, posts, *c*, and *d*, with their collars, *k*, *k*, all firmly attached and adjusted in place ready for use.

The nature of our invention consists in providing a skate runner with posts or pillars upon which posts or pillars, are placed, nuts or collars, which screw up and down on the post or pillar, for the purpose of making the skate runner higher or lower, also for the purpose of adjusting the skate runner to one side or the other or exactly in the middle of the boot, shoe, or wood, we provide the said posts or pillars with a movable screw pin which has a head or button on one end, which is to slide from one side to the other in a slotted plate when inserted therein, the whole plan of which devices serve to adjust the skate in any required manner and to fasten the same, quickly and firmly to its place.

To enable others skilled in the art to make and use our invention we will proceed to describe its construction and operation. We construct our skate runner in any of the

known forms, we then construct a screw pin as shown in Fig. 1, marked, *b*, upon the top of which is a head or button, marked, *a*, the screw pin is then screwed into the cylindrical post as shown in Fig. 2, said post is marked *c*, said post, *c*, Fig. 2 has a screw thread cut also on the outside, we then screw on it a collar or nut as shown at, *k*, Fig. 3, *k*, being the collar, *c*, the cylindrical post, *b*, the screw pin, with its head or button *a*; we then make a plate which is shown at, *t*, Fig. 6, with a slotted hole as shown at *n-n*, Fig. 6, which is a flat view showing the head *a*, of the screw pin *b*; the slotted hole *n-n* allows the button, *a*, to slide freely in it and become locked or unlocked at will, referring to Fig. 3, again, it will be seen that the screw-pin *b*, is screwed upward as shown at, *b*, it is also inserted into the slotted plate, *t*, and the nut or collar *k* is screwed up against the said plate, this nut *k* causing the pillar, *c*, with its screw-pin, *b*, and head, *a*, to be firmly attached to the plate, *t*, in any desired position, it is also plain that by screwing down the collar, *k*, and also screwing down the pin *b* the height of the combined post, *c*, and pin, *b*, is lessened, the collar or nut *k*, may then be screwed firmly up against the plate, *t*, as before; so far we explain how the post is raised or lowered, then to adjust the post laterally we loosen the nut, *k*, and slide it either way to the position desired the nut or collar, *k*, being again screwed up against the plate, *t*, is firmly fixed and secured as shown at Fig. 3. We next provide a metal plate as shown at Fig. 7. This plate is to be attached to the bottom of the heel of the boot, shoe, or wood, as shown at, *s*, Fig. 8, *O*, being the shoe, the plate with a screw hole in the middle as shown at *r*, we now provide another post or pillar similar to the pillar *c*, with its collar, *k*, as shown at, *d*, Fig. 4, but with this difference instead of making a screw pin as seen at, *b*, Fig. 3, we simply cut an immovable screw as shown at *e*, Fig. 4. This pillar Fig. 4, as shown at, *d*, with its collar, *k*, and its stationary screw *e*, is intended for the heel fastening and adjustment with regard to height only. By screwing the screw, *e*, into the plate, *s*, Fig. 4, at the hole, *r*, more or less and then screwing the collar, *k*, up to the plate, *s*, the pillar, *d*, becomes firmly fastened and adjusted in its place.

Having described the manner of constructing the posts or pillars, *c*, and *d*, Figs. 3, and,

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4, they are then attached to the runner by any known method and having the plates *s*, and *t*, secured to the boot shoe or wood the whole is fastened and adjusted as is shown in the perspective drawing Fig. 9. H, is the skate runner, *c* and *d* the posts *k*, *k*, the collars or nuts and, O, the shoe.

We think that the post, *c*, Fig. 3, needs this further remark or suggestion, that is, that if the post, *c*, and the button, *a*, were made of one piece so as to be immovable, which we think is only a colorable variation, it would still in connection with the nut, *k*, be an excellent fastening but the height of the same could not be varied.

The advantages of adjusting a skate and also of fastening it in an expeditious and secure manner is evidently desirable to the skater seeing that the skate may be raised or lowered at the heel or toe and also moved to the middle or either side of the foot.

We do not claim of themselves without

reference to the other parts, the screw, *e*, or the head or button *a*, as it is well known that they have been used heretofore, neither do we claim simply the plates *s*, and, *t*, for the same reason. But

What we do claim as our invention and desire to secure by Letters Patent, is,

1. The hollow, screwed, post, *c*, with its screw-pin *b*, and its collar or nut, *k*, or, their equivalents, combined, for the purpose herein described.

2. The post, *d*, with its screw-pin, *e*, and collar, *k*, combined, or their equivalents, for the purpose herein set forth.

3. The slotted hole *n—n*, in the plate, *t*, or its equivalent, when used in the manner and for the purpose herein specified.

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Witnesses:

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