

(No Model.)

C. J. WEZEN.  
SKATE.

No. 530,610.

Patented Dec. 11, 1894.

FIG. 1.

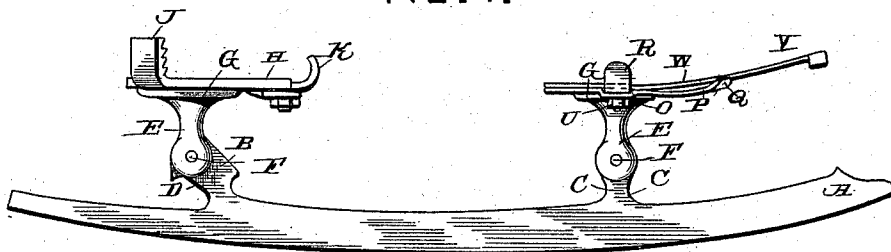


FIG. 2.

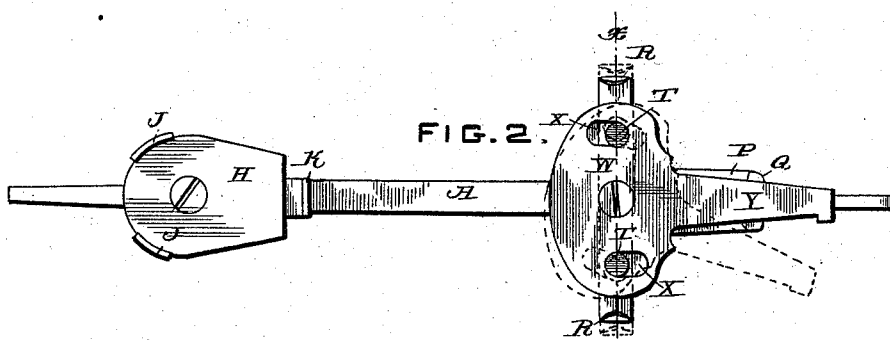


FIG. 3.

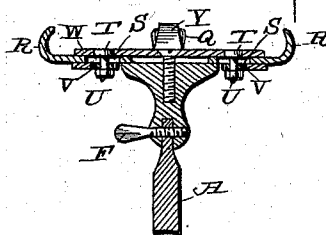
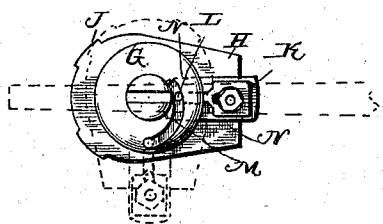


FIG. 4.



Witnesses

Johnamine  
R. A. Bishop

Inventor

Charles J. Wezen  
By Walter W. Calmore  
Attorney

# UNITED STATES PATENT OFFICE.

CHARLES J. WEZEN, OF WILMINGTON, DELAWARE.

## SKATE.

SPECIFICATION forming part of Letters Patent No. 530,610, dated December 11, 1894.

Application filed November 25, 1893. Serial No. 491,937. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES J. WEZEN, a citizen of the United States, residing at Wilmington, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Skates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention is an improved skate and it consists in certain novel features hereinafter described and claimed.

In the annexed drawings, Figure 1 is a side elevation of my improved skate. Fig. 2 is a plan view of the same. Fig. 3 is a transverse section on the line *xx* of Fig. 2, and Fig 4 is a bottom plan view of the heel clasp, showing the manner of operating the same to attach it to the shoe heel.

The runner A may be of any desired size and is provided near its ends with the posts B C to which the heel and toe plates and clasps are secured. The rear post, B, is inclined backward and is provided with a lip or spur D so that an ankle strap may be used, if necessary. The inclination of the post presents a proper rest for the strap and the lip or spur effectually prevents the slipping of the strap.

The heel and toe plates are carried by standards E which are secured to the posts B C by removable pivots F so that they will automatically accommodate themselves to the inclination or relative positions of the sole and heel of the shoe and may be readily removed and applied to another runner if so desired. The upper ends of the standards are formed into supporting plates G to which the heel and toe plates H are secured by screws I, as shown. The heel plate is provided at its rear edge with the clasp lugs secured to or formed integral with the heel plate. The front heel clasp lug or jaw K is arranged between the heel plate H and the supporting plate G and is provided with a depending pin L which engages a cam slot M in the supporting plate. The heel plate is provided with a groove N in its under side in which groove the shank of the clasp lug or jaw K is guided and the said heel plate is pivoted on the supporting plate so that it may be turned to one side and carry

the jaw K with it as shown in Fig. 4. When the heel plate is turned to the side, the jaw K will be ejected by the action of the fixed cam slot on the depending pin L. The heel of the shoe can then be placed in position and the runner turned into alignment with the shoe when the jaw will be withdrawn and the heel firmly clasped. The jaw K may be composed of two adjustably connected plates.

The toe plate is provided with the transverse grooves O and with the forwardly extending tongue P having the side rests or stops Q at its extremity. The sole-clamping jaws R slide in the grooves O and are provided with longitudinal slots S. Studs or pins T are secured at the proper point of the slots S, the securing nuts U moving in slots V in the toe plate. By properly adjusting these studs, the lugs can be fitted to a wide or narrow shoe. The sole-clamping jaws are operated by means of a cam plate W which is pivotally mounted above the toe plate and provided with the cam slots X which engage the studs T. This plate is also provided with a handle or lever Y by which it may be operated and which is adapted to engage the tongue P and be thereby held in its locked position.

In practice, the cam plate is turned to one side thereby spreading the sole-clamping jaws and the heel plate is turned to a position at right angles to the line of the runner thereby ejecting the heel-clamping jaw. The heel is now placed in position and the runner turned into alignment with the shoe, thus clamping the heel, after which the handle of the cam plate is forced inward so as to clamp the shoe sole.

It will thus be seen that I have provided a skate which can be quickly and easily secured in position and in which the heel and toe plates can be readily removed and applied to a new runner.

The advantages of the construction are thought to be obvious and further detailed reference thereto is deemed unnecessary.

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

1. In a skate, the combination of the runner having posts near its ends, a supporting plate G pivoted to the rear post and having a cam slot therein, a heel plate pivoted to

said plate G, a longitudinally movable lug or jaw K carried by the heel plate, and a pin projecting from said lug or jaw and engaging in said cam slot, substantially as specified.

5 2. In a skate the combination of the runner having posts near its ends, a supporting plate G pivoted to the rear post and having a cam slot therein, a heel plate pivoted above the plate G, and having a central guiding  
10 groove therein, a clamping lug K having a

body portion adapted to said guiding groove, a pin L depending from the lug and engaging in said cam groove, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

CHARLES J. WEZEN.

Witnesses:

WILBUR L. SASSE,

ALFRED S. HURLOCK.