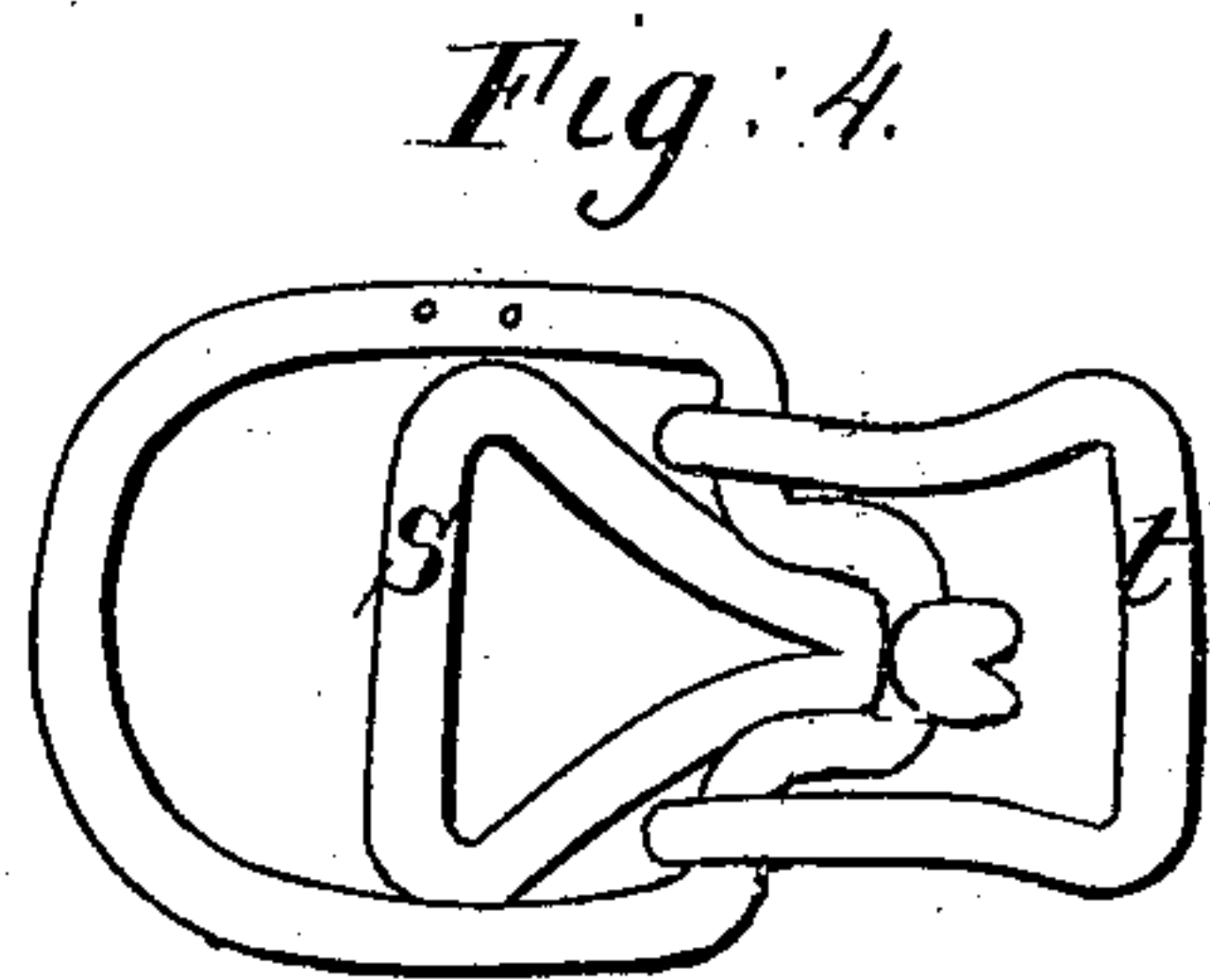
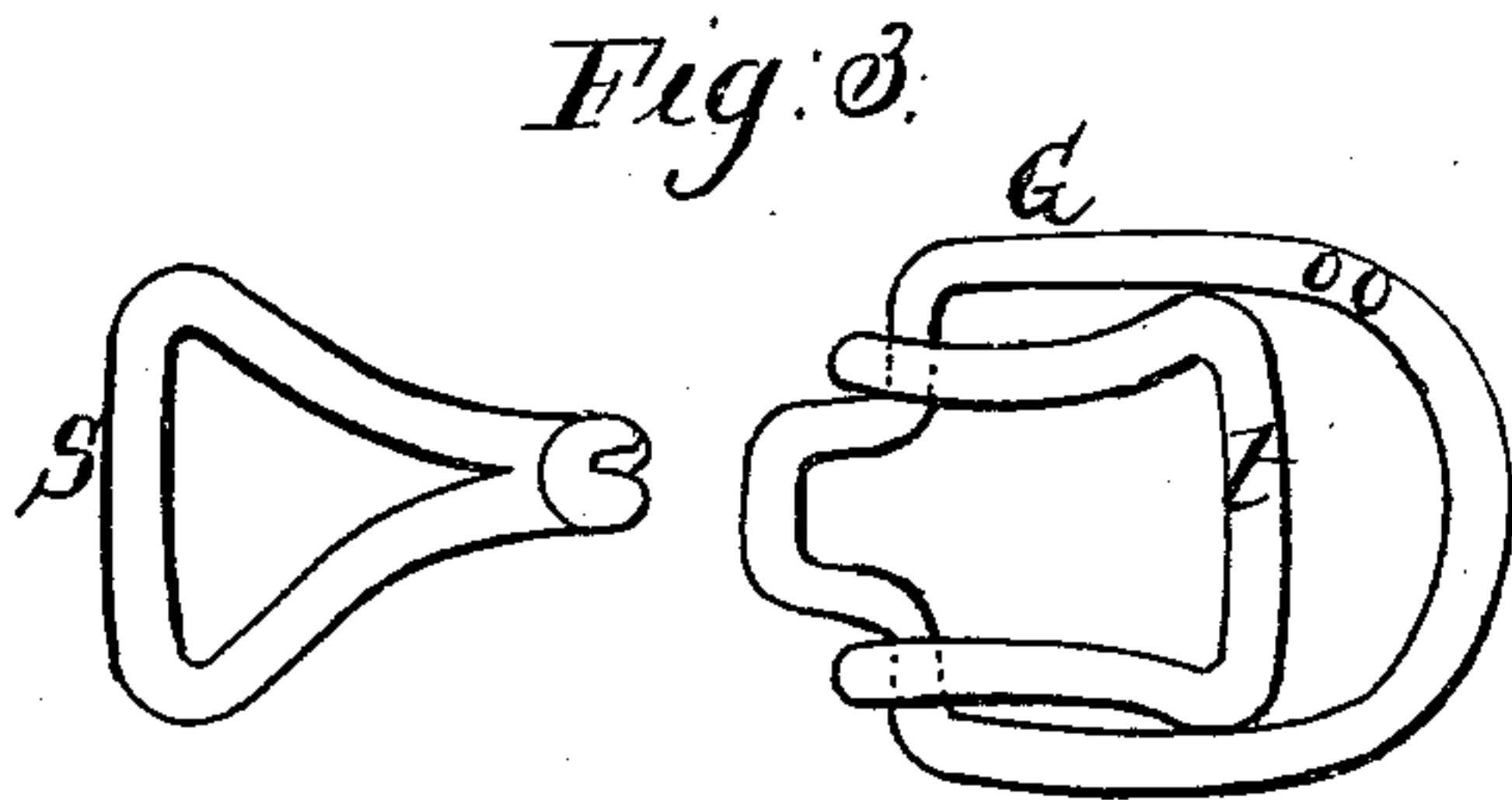
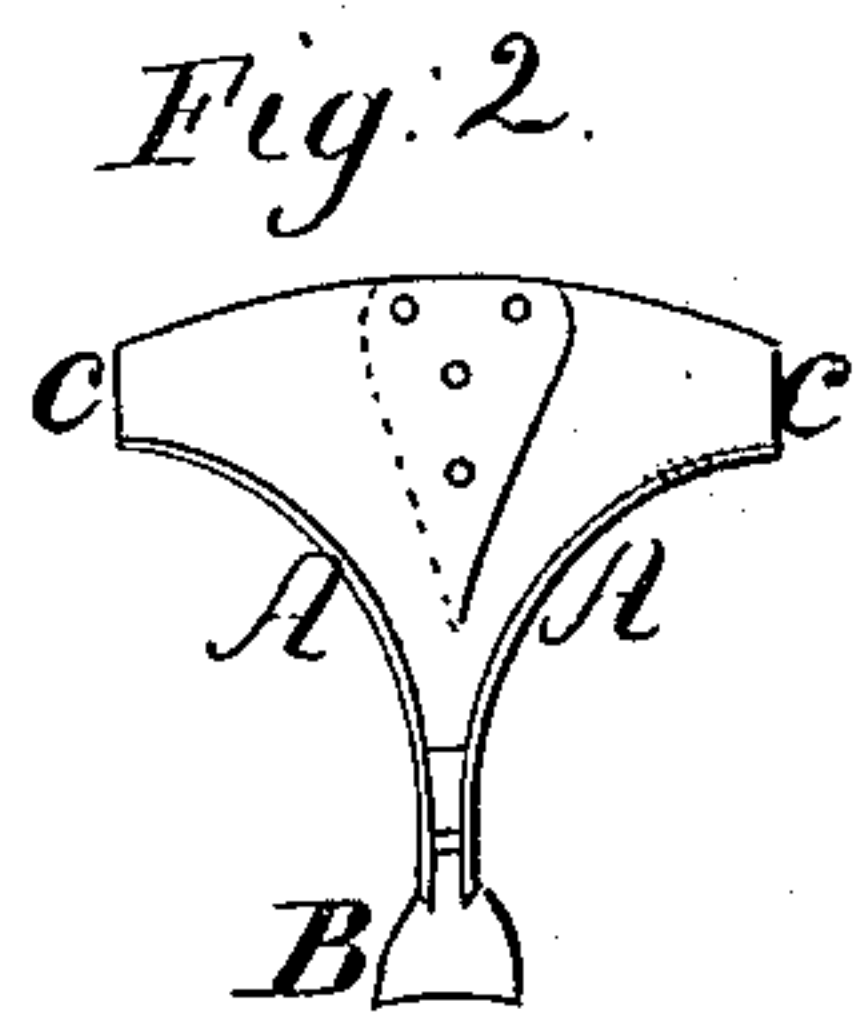
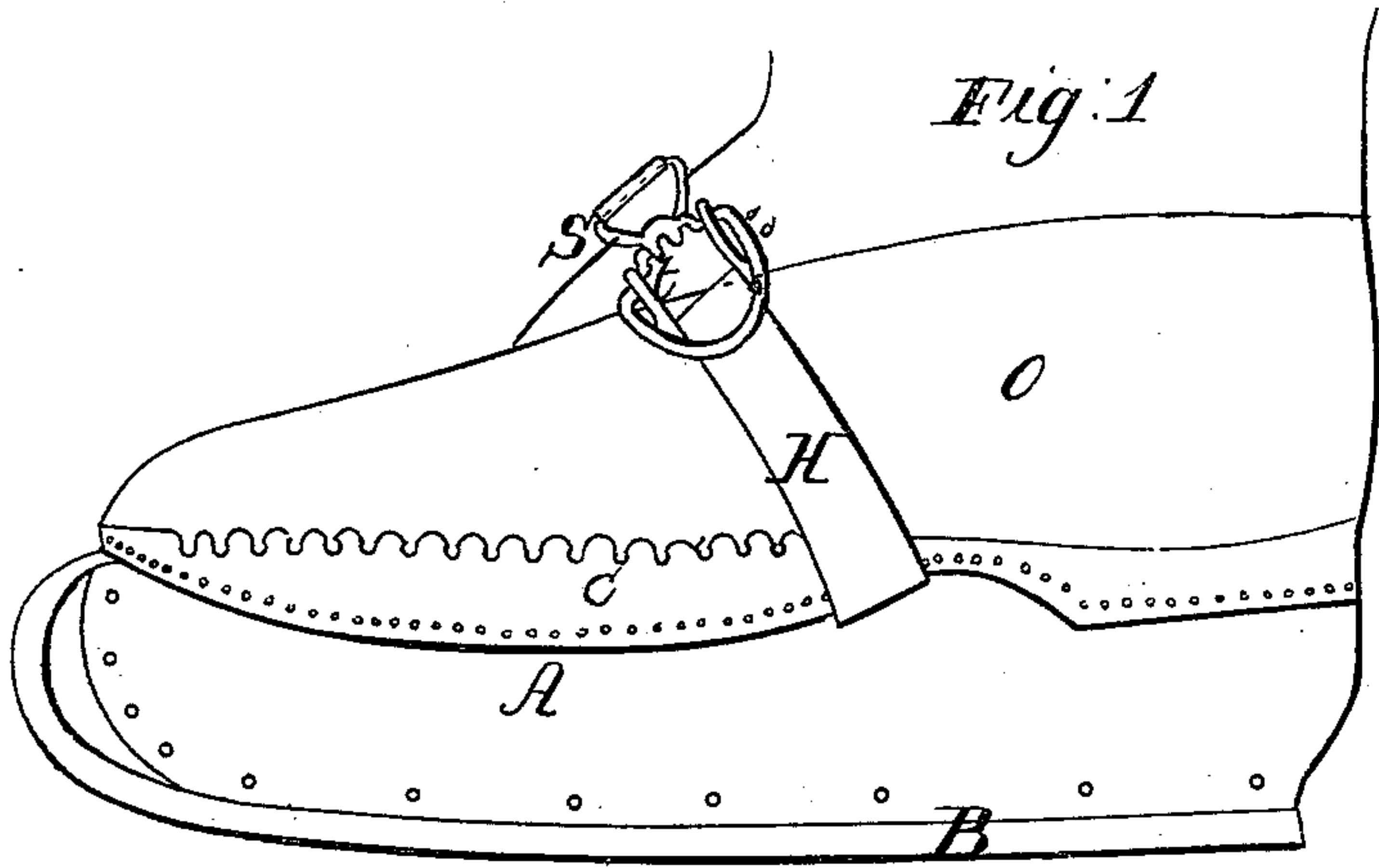


*S. P. Castle.*

*Skate.*

*No. 94, 184. Patented Aug. 3, 1869.*



*Witnesses;*  
*Wm. M. Houston*  
*John S. Leedom*

*Inventor;*  
*S. P. Castle*

# United States Patent Office.

S. P. CASTLE, OF URBANA, OHIO, ASSIGNOR TO O. H. CASTLE, OF  
SAME PLACE.

*Letters Patent No. 94,184, dated August 31, 1869; antedated August 14, 1869.*

## IMPROVEMENT IN SKATES.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, S. P. CASTLE, of the city of Urbana, in the county of Champaign, and State of Ohio, have invented a new and improved Mode of Manufacturing Skates and clasp-fastening for same; and I do hereby declare that the following is a clear and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view,

Figure 2, a plan view, and

Figures 3 and 4, the detached views of the clasp or fastener.

To enable others to make my skate and fastener, I will proceed to describe their construction and operation.

The nature of my invention consists in shaping from sheet-metal, by dies of a proper shape, the body A of the skate in separate halves, so that when they are brought together, the upper part forms a seat of the requisite shape for the bottom of the shoe or boot, and a border or guard, C, sufficiently high to embrace the sides of the shoe and heel.

The lower edges of the two halves come together in the form of the keel of a vessel, (as seen at fig. 2,) between which is riveted the runner B, the sides of whose upper edge are so rabbeted and grooved, that the lower edges of said halves can be riveted to the run-

ner smoothly and securely, thus forming a very light and strong skate.

Upper O is sewed to the lower edge of border C, through the holes made there for that purpose.

Strap H is passed through a slot immediately below border C, to one end of which hook S is attached, by an adjustable loop; and loop t being hinged on each side of the eccentric of buckle o o is sewed to the other end of strap H.

Now, to fasten the clasp G securely, hook S is hooked into the eccentric of buckle o o, which, when turned over, as seen at fig. 4, fastens the skate to the foot tightly and securely.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The constructing the body A of a skate, substantially as described, and for the purposes set forth.

2. The attaching runner B to body A, substantially as described, and for the purposes set forth.

3. Shoe-upper O, in combination with guard or border C, substantially as described, and for the purposes set forth.

4. Clasp G, substantially as described, and for the purposes set forth.

S. P. CASTLE.

Witnesses:

S. H. ROACH,

WM. M. HOUSTON.