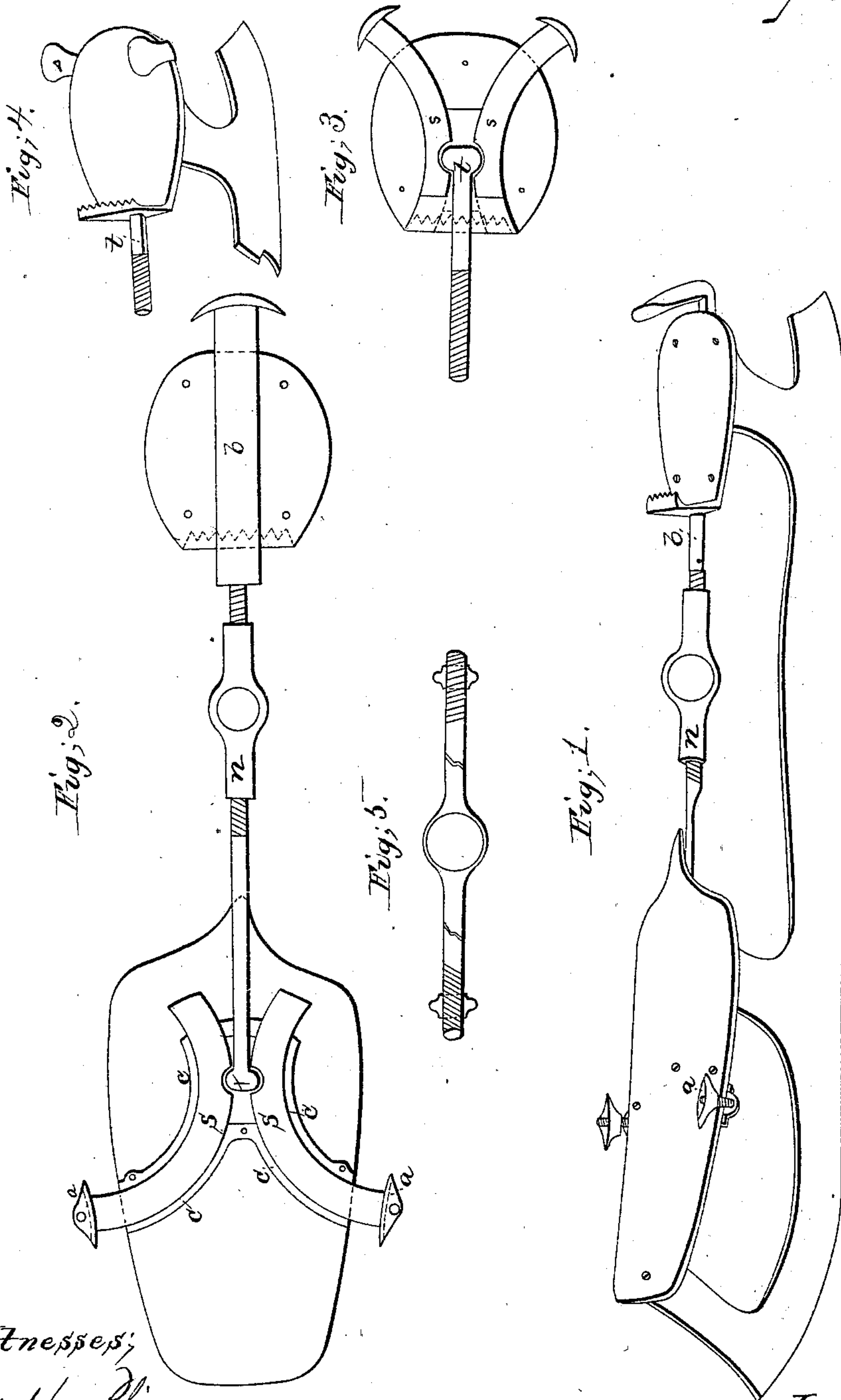


E. C. Mayloy,
Skate Fastening,
No 80,195,
Patented July 21, 1868.



Witnesses;

Wm. H. Robinson
Wm. Hanley

Inventor,
E C Mayloy

United States Patent Office.

EDWARD C. MAYLOY, OF ROCHESTER, NEW YORK.

Letters Patent No. 80,195, dated July 21, 1868.

IMPROVED SKATE-FASTENING.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWARD C. MAYLOY, of Rochester, in the county of Monroe, in the State of New York, have invented a new and improved Mode of Fastening Skates; and I 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 perspective view.

Figure 2, a sectional plan of fig. 1.

Figure 3, a sectional plan of heel with double clamp.

Figure 4, a perspective of fig. 3.

The nature of my invention consists in providing a skate with clamps, distributed as may be desired, some of which are of a peculiar shape, and made so as to be adjustable to any thickness of sole, by means of a screw, or its equivalent, said clamps being arranged so as to be readily adjusted and securely fastened to the boot, by means of the thumb-nut on the sliding bar, connecting the forward and heel-clamps.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my skate in any of the known forms. I then make segmental arms out of steel, or any suitable material, for the ball of the foot, as shown at S, in figs. 2 and 3, and place the same in chairs suitably constructed, so as to guide them in opposite directions, when pushed forward, and preserve them from snow and ice, as shown at C, in fig. 2. I then connect these segmental pieces, by means of a sliding bar, with the clamp at the heel, as shown at b, figs. 1 and 2, or with other segmental pieces, having clamps thereon, as shown in fig. 3, said bar being connected with forward segmental arms by means of the T-headed bolt t, and with the after clamp-slide by the thumb-nut n and screw, as shown in fig. 2, or with the double T-headed bolts having segmental arms with clamps for ward and at heel, as shown in figs. 2 and 3, or connecting the forward and after segments by means of the screw-bolt and nuts, as shown in Figure 5.

The forward clamps a are constructed with a flange on the upper edge, and placed on a screw or its equivalent, to allow the same to be adjusted to any thickness of sole.

Having explained the different parts and their connections, I now describe the manner of adjusting and fastening the skate to the boot.

The forward clamps are raised or lowered so as to allow the flange of the clamp to rest upon the upper edge of the sole; then turn the thumb-nut so as to spread all the clamps sufficiently to admit the foot, then turning the nut in the reverse, the sliding bar will adjust the several clamps in such a manner that they will be all securely tightened to the sole and heel at the same time.

I am aware that there are different kinds of clamps now in use, all of which either injure the edges of the sole or fail in a secure fastening.

What I therefore claim, and desire to secure by Letters Patent, is—

1. A clamp made with a flange on the upper edge, turned inwards, and adjustable to any thickness of sole, by means of the screw or its equivalent, so that the flange will press tightly upon the upper edge of the sole.

2. The combination of the segmental arms with the T-headed bolt t and clamp-slide b with the thumb-nut, constituting the sliding bar, by which all the clamps are adjusted and tightened at the same time, as shown in fig. 2, or the two T-headed bolts shown in figs. 2 and 3, and thumb-nut, constituting a sliding bar, and connecting the segmental arms by which all the clamps are adjusted and tightened as before.

3. Forming a sliding bar, connecting the segmental arms by means of a bolt and nuts, as shown in fig. 5.

EDWARD C. MAYLOY.

Witnesses:

WM. H. ROBINSON,

WM. HANLEY.