

No. 620,667.

Patented Mar. 7, 1899.

J. E. O'NEILL.

HEEL.

(Application filed Oct. 27, 1898.)

(No Model.)

Fig. 1.

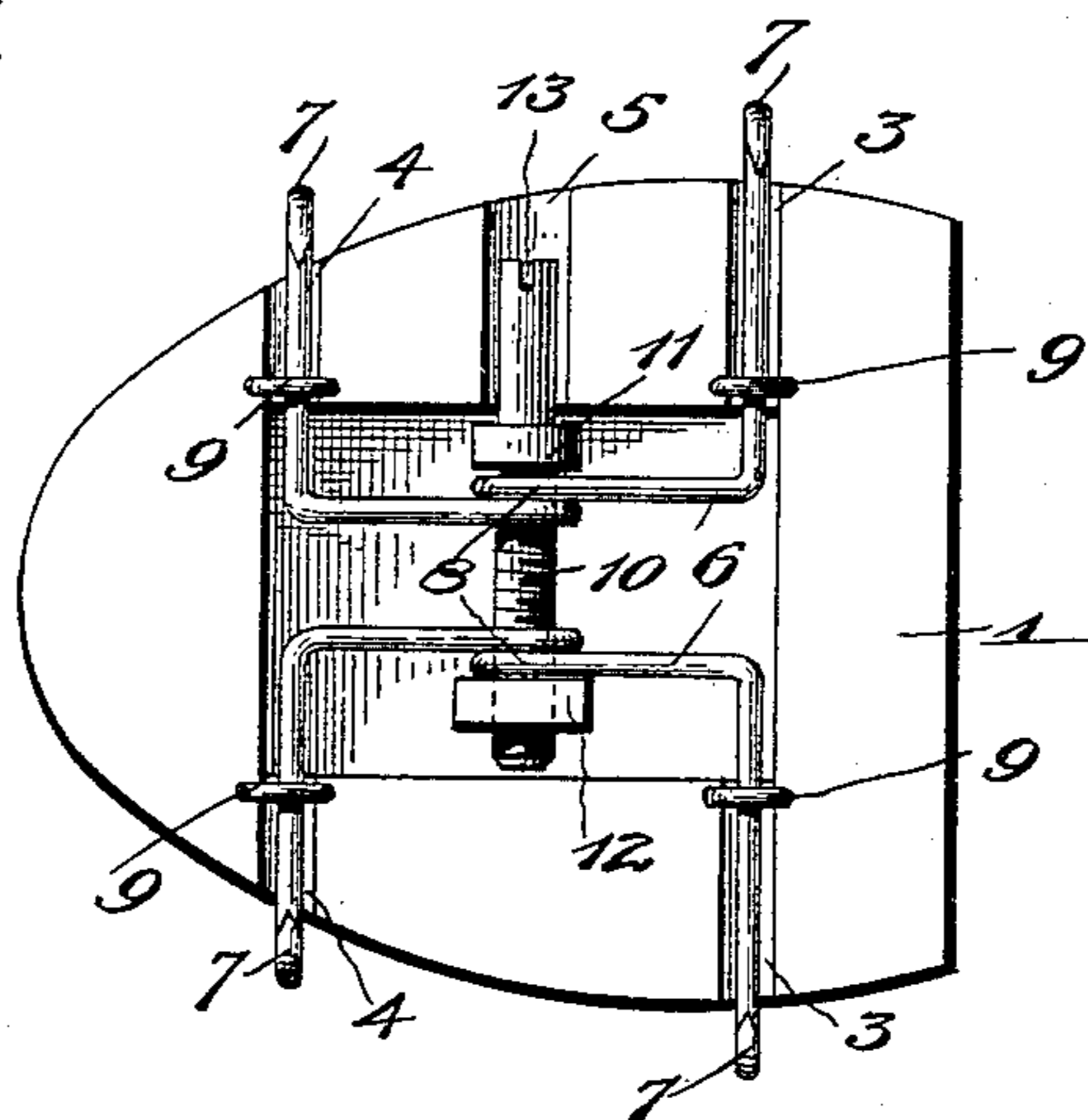
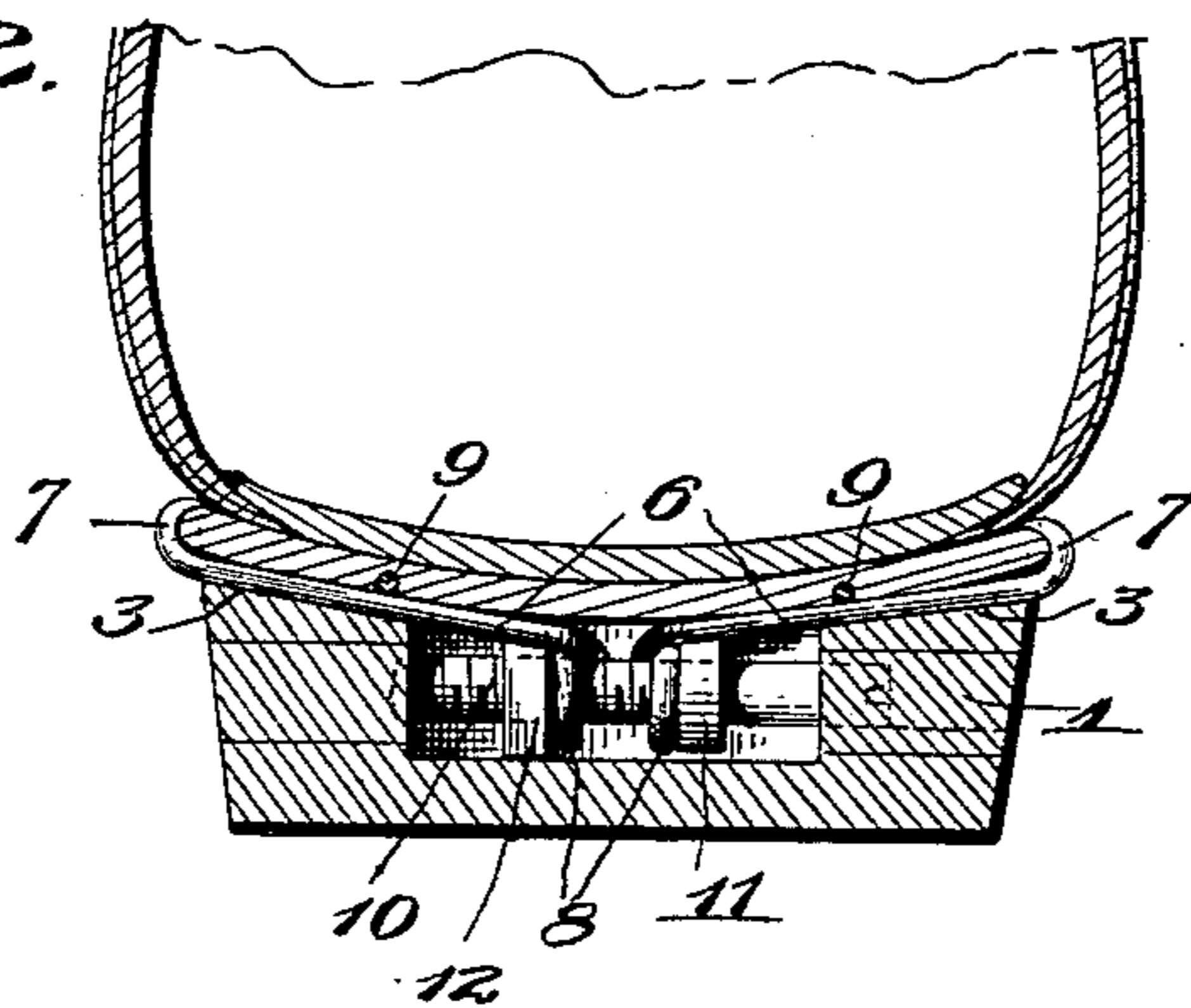


Fig. 2.



Witnesses

E. H. Hunt
J. B. Wilson

by

James E. O'Neill

A. B. Wilson & Co

Attorneys

UNITED STATES PATENT OFFICE.

JAMES E. O'NEILL, OF WAUPACA, WISCONSIN.

HEEL.

SPECIFICATION forming part of Letters Patent No. 620,667, dated March 7, 1899.

Application filed October 27, 1898. Serial No. 694,727. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. O'NEILL, a citizen of the United States, residing at Waupaca, in the county of Waupaca and State of Wisconsin, have invented certain new and useful Improvements in Heels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to heels; and the object is to improve the construction shown in Letters Patent No. 606,229, issued to me June 28, 1898, whereby the heel may be more easily attached to and removed from the sole of a shoe.

With this object in view the invention consists in certain features of construction and combination of parts, as will be hereinafter fully described and claimed.

In the drawings, Figure 1 is a plan view of a heel illustrating my invention. Fig. 2 is a sectional view of the heel connected to the shoe.

In said drawings, 1 represents the heel made separate from the boot or shoe sole and properly finished, this heel being provided with a central cavity at the top and with grooves 3 and 4 and a slot 5.

6 denotes a pair of clamping-slides, each of which is preferably formed from a piece of wire in the form of a bail and having at its ends hooks 7 and at its intermediate portion an eye 8. The arms of the clamps slide in the grooves made in the upper lift of the heel and are held against displacement by staples 9, driven into the heel.

10 denotes a screw-shaft located in the cav-

ity of the heel and provided near one end with a collar 11.

12 denotes a nut or follower through which the screw-threaded end of the shaft projects, and 13 denotes a slit or niche made in the end of the screw-shaft to receive the blade of the screw-driver or other implement by means of which the screw-shaft is rotated.

The sliding clamps being distended, as shown in Fig. 1, may be brought together and the hooked ends be firmly clamped to the sole of the shoe by rotating the screw-shaft, which will draw the sliding clamps together. To remove the heel, the screw is turned in a reverse direction, and the clamps may then be grasped and separated, so as to allow the heel to be removed from the sole.

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

A heel having an upper cavity, a pair of clamping-slides arranged on the upper face of the heel and consisting of bails each having hooked ends projecting beyond the sides of the heel, and an intermediate eye located within said cavity, a screw-shaft located within said cavity and passing through the eyes of the said bails and provided with a collar, and a nut or follower engaged upon the screw-shaft, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES E. O'NEILL.

Witnesses:

EDWIN F. PIERCE,
A. L. WILLIAMS.