

G. H. P. FOSTER.
RESILIENT OR CUSHION HEEL.
APPLICATION FILED FEB. 10, 1913.

1,154,917.

Patented Sept. 28, 1915.

Fig. 1.

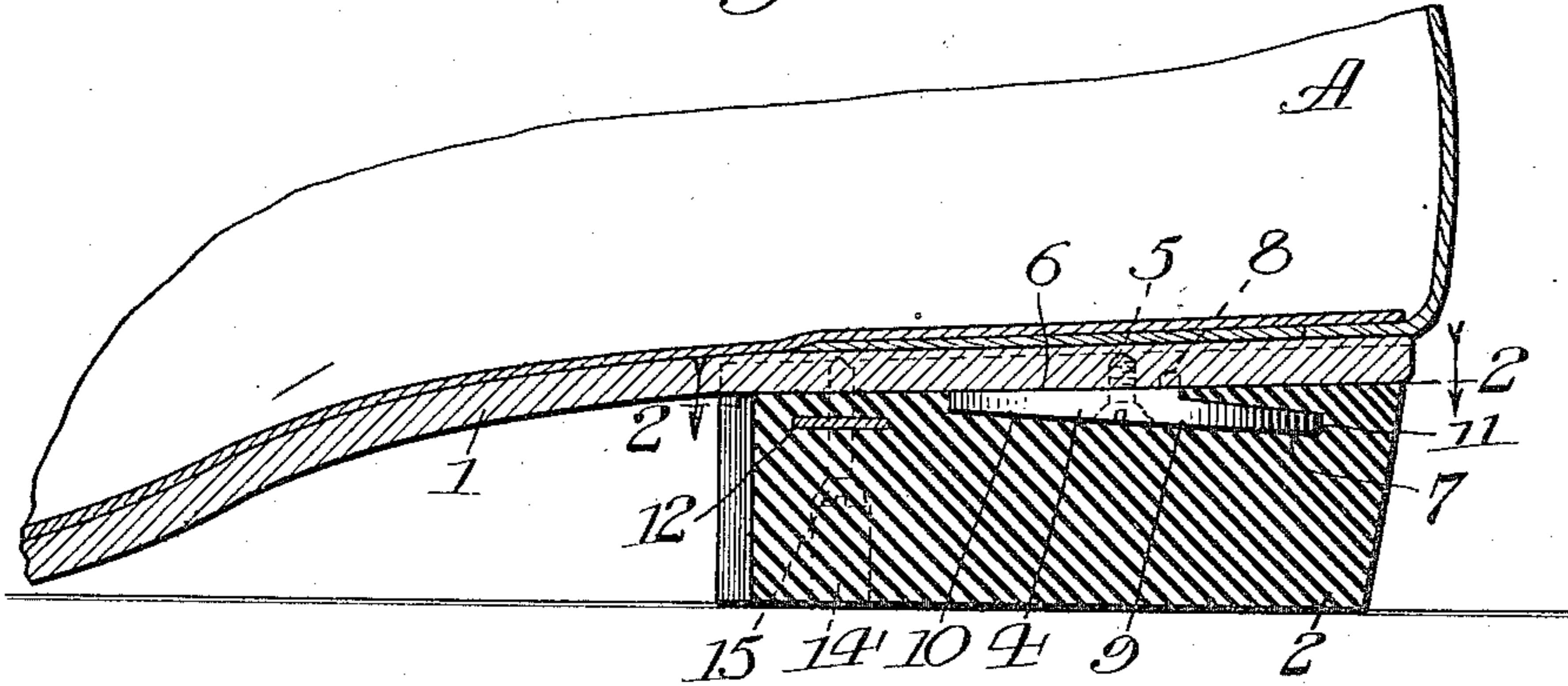


Fig. 2.

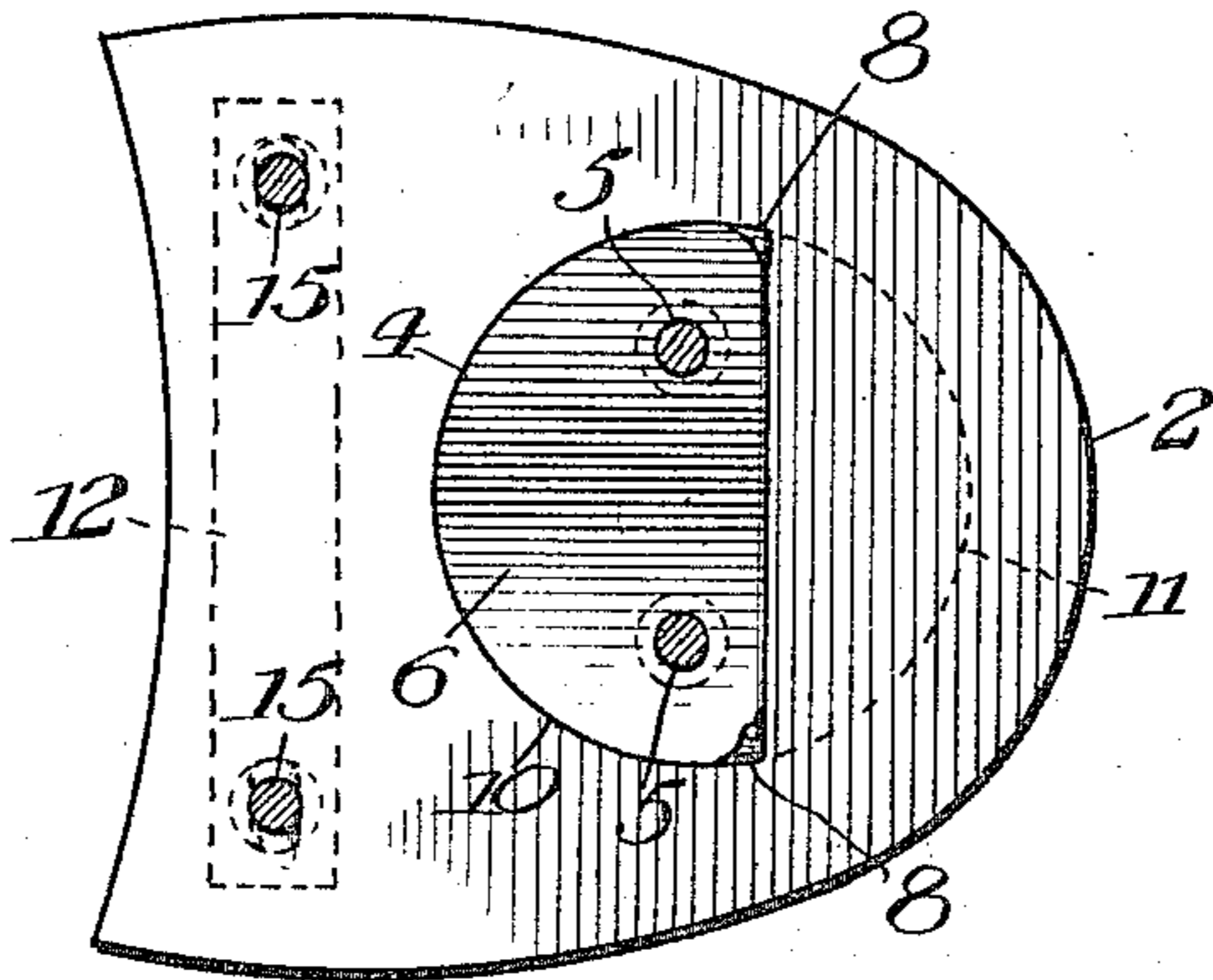


Fig. 3.

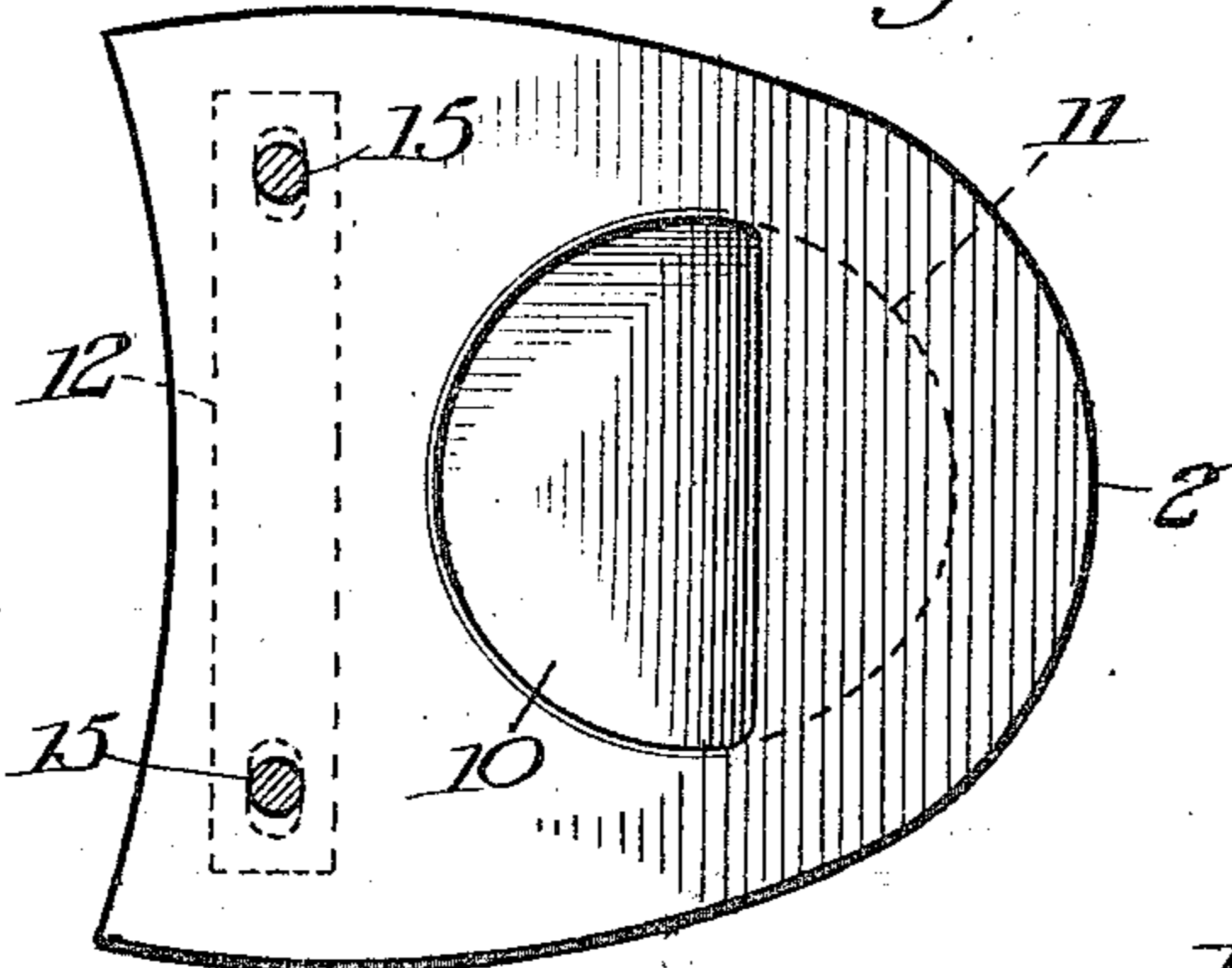
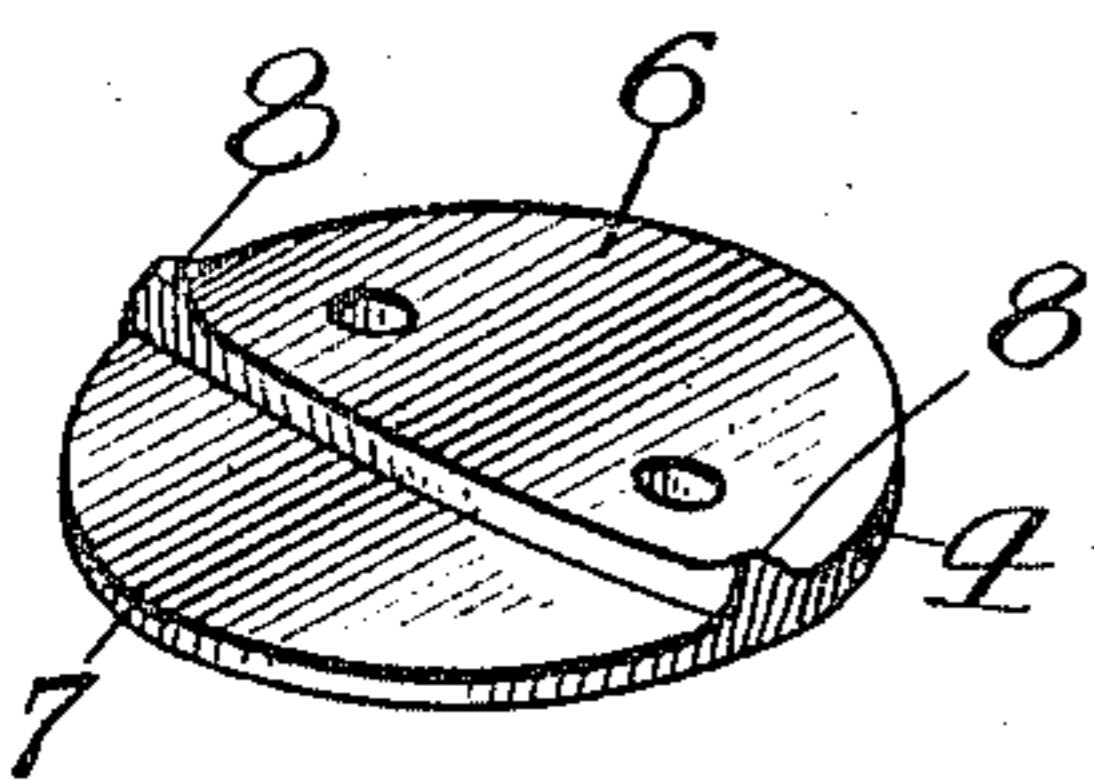


Fig. 4.



Witnesses
O. H. Hennrich
A. L. Jones.

Inventor
George H. P. Foster
by A. Miller, Counselor at Law

UNITED STATES PATENT OFFICE.

GEORGE H. P. FOSTER, OF CHICAGO, ILLINOIS.

RESILIENT OR CUSHION HEEL.

1,154,917.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE H. P. FOSTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Resilient or Cushion Heels, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to resilient or cushion heels for shoes.

Prominent objects of the invention are to provide simple and practical means for attaching such heels to the shoes; to arrange for the easy and ready attachment of the heel to the shoe and the detachment of the same therefrom; to make possible the easy and ready attachment and detachment of the heel by the wearer of the shoe, as well as by the manufacturer; to permit the ready interchange of heels as between the different shoes of a pair, and thus obtain a maximum of wearing capacity for the heels; to make the attachment and detachment of the heel simple and easy without necessitating straining or wrenching of the heel, and without possibility of tearing or breaking the same; and to accomplish the foregoing and other desirable results in a simple and expeditious manner.

In the accompanying drawings, Figure 1 is a longitudinal section of a portion of a shoe with a resilient or cushion heel embodying my invention attached thereto; Fig. 2 is a section taken on line 2—2 in Fig. 1; Fig. 3 is a plan view of a heel without attaching clip; Fig. 4 is a perspective view of the attaching clip alone.

The drawings show part of a shoe, A, having a sole 1, to the heel portion of which the resilient or cushion heel 2 is attached in accordance with my invention. To this end a metal clip 4 is provided and secured to the heel portion of the sole 1, as by screws 5—5. The clip 4 is preferably circular in form as shown in Figs. 2, 3 and 4, and is provided with a portion 6 which is slightly curved or contoured to fit exactly the under surface of the heel portion of the sole 1, so as to make a tight and close fit between clip 4 and sole 1 when the clip is secured to the sole. At one end of the clip, preferably the rear end, a portion or projection 7 extends away from the portion 6 and provides a space between itself and the

heel portion of the sole 1, as best shown in Fig. 1. Small prongs or teeth 8—8 are desirably formed on the clip 4 so as to provide engaging portions between the clip and sole and also to serve as markers to locate the clip on the sole. The other or bottom surface 9 of the clip is conveniently flat, as shown in Fig. 1. The heel 2 is provided with a recess 10 having an under cut portion 11, which latter is adapted to receive the rear projection or end piece 7 of the clip 4, the main or body portion of the recess 10 being adapted to receive the remainder of the clip 4. Thus the heel 2 which may be of rubber or other desirable resilient or cushion material, may be slipped into position upon the sole of the shoe by simply manipulating it so that the end 7 of the clip 4 slides into the recess 11, the balance of the clip fitting into the remainder of the recess 10, as shown in Figs. 1 and 2. Thus there is formed a slidable or detachable connection between the shoe and heel which can be made or unmade by sliding the heel into or out of position in engagement with the clip 4.

As a means of further detachably connecting the heel with the shoe and especially for holding the heel against such lateral movement as would permit it to become disengaged from the clip 4, a plate 12 preferably metallic is arranged as by molding within the body of the heel, said plate conveniently extending transversely of the heel, as shown in Figs. 2 and 3, and being provided with screw holes. The heel is provided below the plate 12 with apertures 14 which are adapted to receive the heads of screws 15 and which terminate in other apertures which are adapted to receive the body portions of said screws 15, whereby said screws may be passed through the plate 12 and serve to fasten the heel to the shoe. The plate 12 also serves to strengthen and support the front portion of the heel, and especially the sides and front side corners thereof. Thus it will be seen that the heel is satisfactorily fastened to the shoe, being adequately held by the clip 4 and the screws 15 and at the same time it will be seen that the heel can be easily attached and detached by simply manipulating the screws 15 and then sliding the heel on or off, and that this attachment and detachment of the heel is accomplished more easily and quickly and without trouble because the heel is engaged by only one underrunning prong fitting in a

recess in the heel. This latter feature should be noticed especially as it will be observed that the end or prong 7 extends only in one direction as for example, rearwardly, and there is no corresponding side or front prong engaging another recess at the sides or front of the clip 4, whereby the prong 7 can be made as long as desired, and it alone need be slipped into the recess in the heel. This obviously is much simpler and more advantageous than having front and rear prongs fitting into recesses in the heel, which would necessitate first one being fitted and then the heel being stretched so as then to fit the other. As opposed to this it will be seen that by my arrangement the heel can simply be slipped into position to engage the clip without any pulling or straining of the heel at all, and then can be fastened by the supplemental fastening device involving the screws 15.

It will be understood that changes and modifications can be made without departing from the spirit of the invention.

What I claim is:

1. A shoe having secured to the outer surface of its heel seat a clip comprising a plate contacting substantially throughout with the heel seat and a portion projecting from said plate downwardly and rearwardly of the heel seat, leaving a space between it and the heel seat, a heel having extending downwardly and rearwardly from its upper surface a cavity arranged to fit and receive the last-named portion of the clip, and additional means for securing the heel to the shoe.

2. A clip for the purpose specified, comprising a plate having a portion adapted to fit against the heel seat of a shoe and hav-

ing another portion in the form of a prong extending downwardly and rearwardly from said plate portion, said prong portion having its rear end constructed with converging sides.

3. A clip for the purpose specified comprising a circular plate having a part thereof adapted to fit against the under side of a shoe and having its remaining portion made in the form of a prong for insertion into a heel cavity.

4. A clip for the purpose specified comprising a circular plate having a substantially semi-circular portion thereof adapted to fit against the under side of the heel seat of a shoe and such end having its upper surface made concave and provided with upwardly extending points, said plate having its remaining portion made into the form of a prong for insertion into a heel cavity.

5. A clip for the purpose specified comprising a circular plate having a substantially semi-circular part thereof made to fit the under side of the heel seat of a shoe and having its remaining portion made in the form of a prong extending obliquely from the surface which is to fit against the under side of the heel seat so as to afford a space between the under side of the heel seat and said prong when the clip is secured to the shoe, the side of the plate opposite the side which is to be applied to the shoe being flat and circular.

In witness whereof, I hereunto subscribe my name this 7th day of February, A. D. 1913.

GEORGE H. P. FOSTER.

Witnesses:

A. L. JONES,
H. A. JONES.