

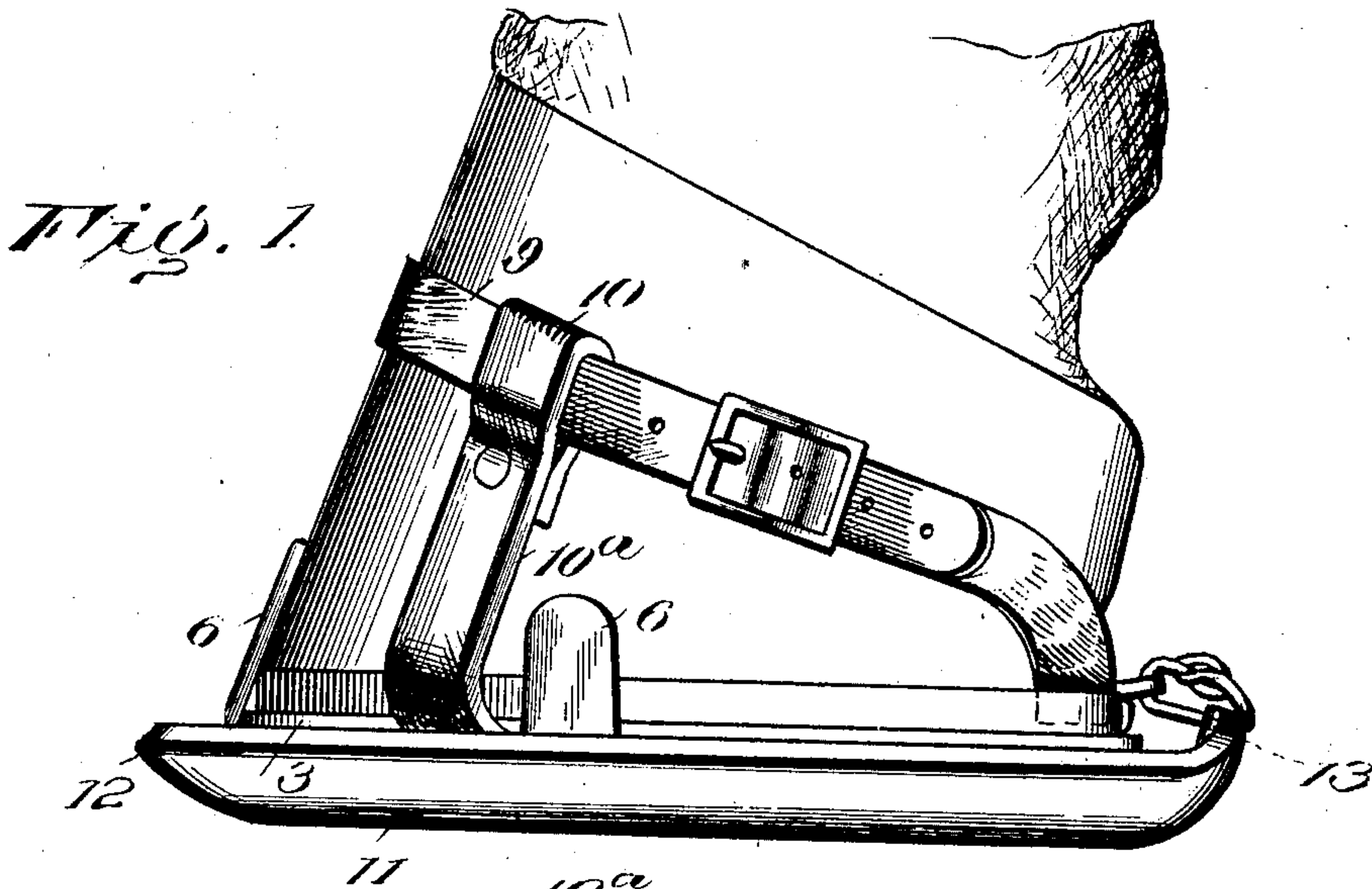
No. 682,888.

Patented Sept. 17, 1901.

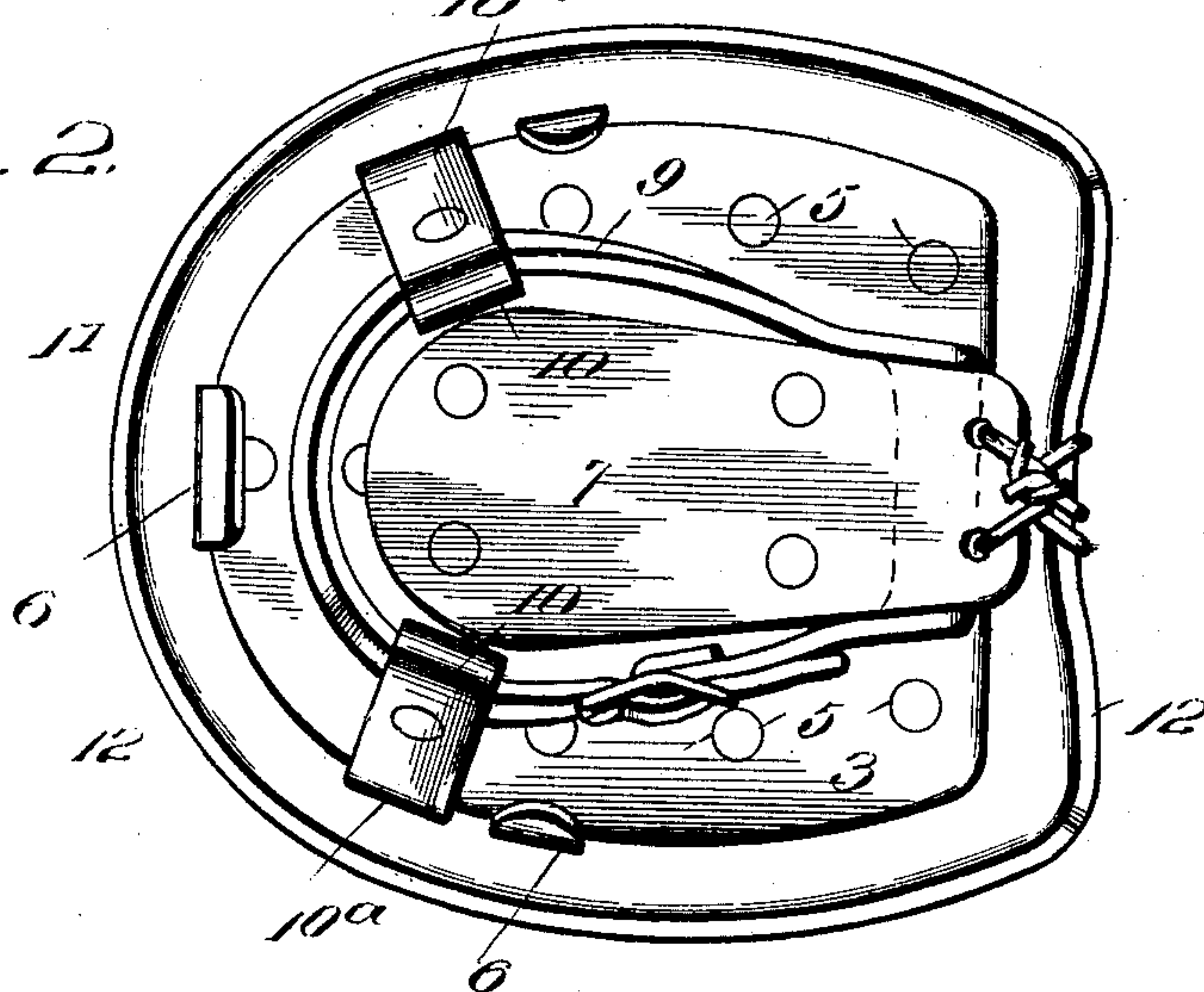
J. A. SMITH.  
LAWN BOOT.

(Application filed May 17, 1901.)

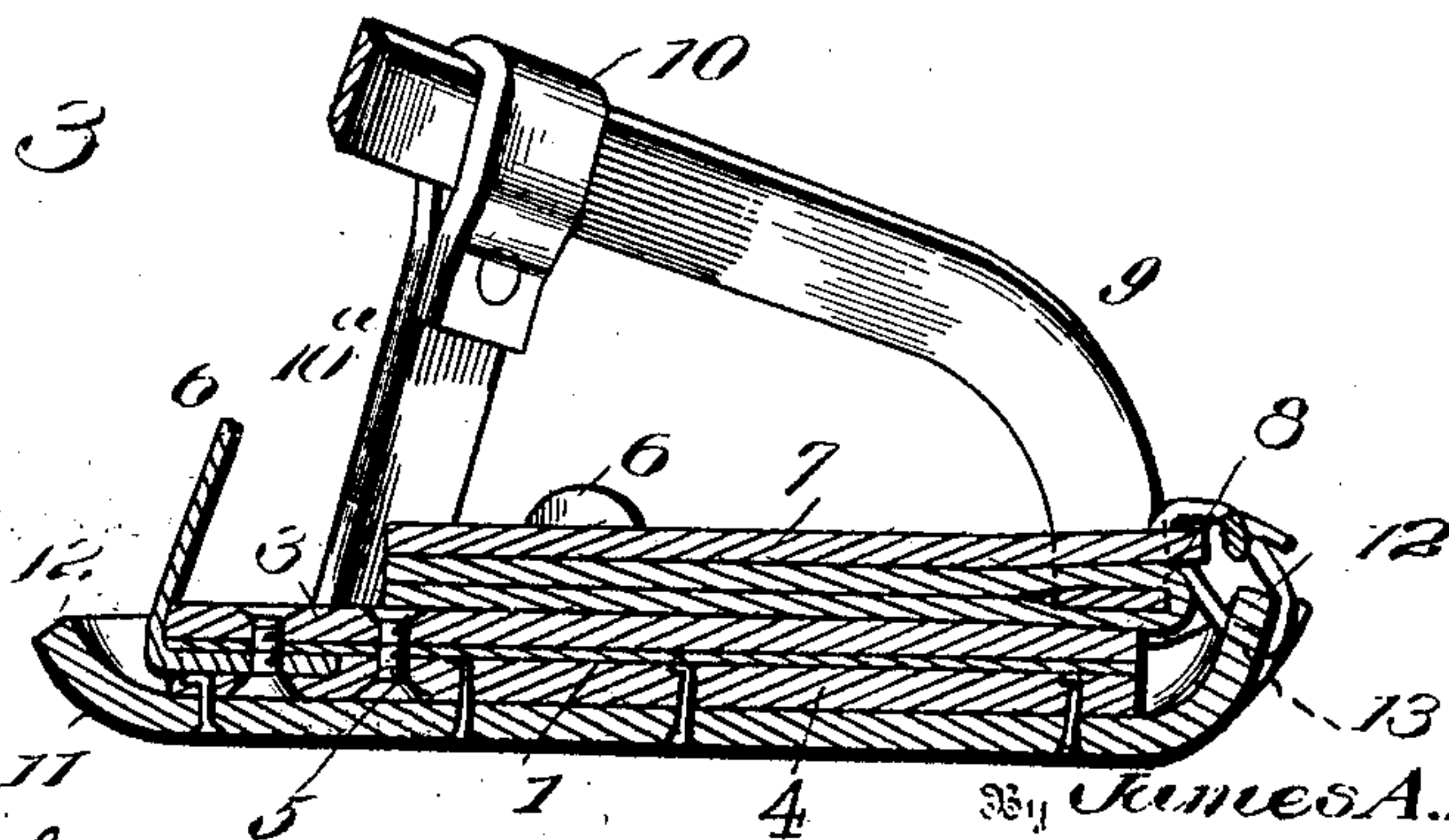
(No Model.)



*Fig. 2.*



*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES A. SMITH, OF BROOKLANDVILLE, MARYLAND.

## LAWN-BOOT.

SPECIFICATION forming part of Letters Patent No. 682,888, dated September 17, 1901.

Application filed May 17, 1901. Serial No. 60,725. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. SMITH, a citizen of the United States, residing at Brooklandville, in the county of Baltimore and State of Maryland, have invented new and useful Improvements in Lawn-Boots, of which the following is a specification.

This invention relates to improvements in lawn-boots for horses and is designed to be applied to horses' hoofs to prevent the destruction of the lawn.

The object of the invention is to provide a structure capable of being quickly applied and rigidly fastened without in any wise injuring the animal.

A further object of the invention is to provide, in a lawn-boot, a structure capable of being easily repaired and inexpensively made.

In this class of inventions difficulty has been experienced in preventing the boot making a depression in the soil and hindering the easy movement of the animal's hoofs. It is one of the purposes of this invention to obviate this difficulty, and I accomplish the desired result by providing the tread of the boot with an upturned outer edge, so as to present the shoe gradually and uniformly as the horse's hoof is thrown forward and down.

Many other objects of the invention will be hereinafter referred to, and particularly pointed out in the claims.

In the drawings, Figure 1 is a side view showing the application of my improvement. Fig. 2 is a top plan view of the boot, and Fig. 3 is a vertical section of the same.

The same numerals refer to like parts in all the figures.

1 indicates a metallic plate having riveted to its upper and lower sides a covering 3 and 4, preferably of leather, the three pieces 1, 3, and 4 being rigidly riveted to each other by a series of rivets 5, forming a base. Between the lower covering 4 and the metallic plate 1 are secured two or more upturned flanges 6 to form guides for the proper positioning of the boot to the hoof of the animal. However, these flanges may be dispensed with. Located on top of the covering 3 and securely riveted to the metallic plate 1 and the covering 3 and 4 is a raised flange 7, designed to fit the frog of the hoof of the animal. The rear end of the flange 7 is pro-

vided with a suitable guide or loop 8 for the securing-strap 9, which is also passed through loops 10 of straps 10<sup>a</sup>, the lower ends of which are riveted between the covering 4 and plate 1. To the under side of the base is nailed or otherwise fastened a tread 11, preferably of leather or other material, having its edges 12 extended beyond the outline of the base and slightly turned up, the degree of the curve of the rear portion being greater than the sides and front for the purpose hereinbefore mentioned. The rear of the flange 12 has suitable openings 13, through which and the openings in the rear of the flange is passed a cord to insure the turning up of said tread. It will be observed that the nails for securing the tread 11 impinge and clench against the metallic plate 1 and prevent its pulling off.

From the foregoing description it will be seen that I have provided a boot void of sharp corners, which will prevent the cutting of the lawn. It will also be observed that as the animal's foot falls flat upon the surface there is absolutely no danger of the rear end of the boot sinking into the lawn, as with devices of this character now in use. The upturned ends of the tread present a cup-shaped appearance, making it impossible for the edges of the boot to cut in and sink into the lawn.

To apply my improvement, the strap 9 is released from the two forward loops 10 and the boot is fitted directly to the shoe, care being taken that the rear extending portions of the shoe are below the strap, whereupon the strap is passed forwardly around the hoof through the loops 10 and then buckled.

In devices of this character it has heretofore been necessary to employ means for securing the boot at a point just above the hoof, which invariably causes a great deal of annoyance and frequently sore spots; but by my improvement the loops 10<sup>a</sup> and the strap 9 are so positioned as to grasp the hoof of the animal below the flesh-line, which absolutely prevents the above-referred-to inconveniences and at the same time affords a rigid and ready means for attaching the boot.

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

1. A lawn-boot comprising a base composed of a metallic plate having an upper and lower



covering, a tread secured to said base having its ends extended beyond the edges of the same and turned upwardly, and means secured to the base for fastening the boot to the horse's foot, substantially as described.

2. A lawn-boot comprising a base, a tread having its ends extending beyond said base, said ends turned upwardly, a flange extended above said base and adapted to fit the frog of the hoof, means securing the end of said flange and the rear of the tread to increase or decrease the curvature of the tread at the rear, and means for securing the boot to the hoof of an animal, substantially as described.

3. A lawn-boot comprising a base composed of a metallic plate having an upper and lower covering, a flange projecting above said base and adapted to fit the frog of the hoof, a loop at the rear end of said flange, loop-straps secured to and extending upwardly from the base, a securing-strap guided through the loop in the flange and the loop-straps, a tread secured to the under side of the base, and means connecting the flange above the base and the rear of the tread, substantially as described.

4. A lawn-boot comprising a base composed of a metallic plate interposed between the upper and lower coverings, said coverings and the metallic plate being riveted together, a tread secured to said base, nails or the like securing the tread to the base and adapted to

clench in the lower covering against the metallic plate, a flange extending above the base and adapted to fit the frog of the hoof, a flexible connection between the rear of said flange and the rear of the tread to adjust the curvature of said tread, and means for securing the boot to the hoof of the animal, substantially as described.

5. A lawn-boot comprising a base, a flexible tread secured to the under side of the base, said flexible tread extending beyond the edges of the base and curved up, and means for securing the boot to the hoof of the animal, substantially as described.

6. A lawn-boot comprising a base, a flexible tread secured to said base having its ends extended beyond the edges of the same and turned upwardly, and means for increasing or decreasing the curvature of the turned-up edge of said tread, substantially as described.

7. A lawn-boot, comprising a base adapted to be rigidly held to the hoof of the animal, a tread secured to said base and extending beyond the edges of the same, the extended portion of the base being flexible, substantially as described.

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

JAMES A. SMITH.

Witnesses:

WILLIAM PENROSE,  
CHAS. R. WOODS.