

No. 637,437.

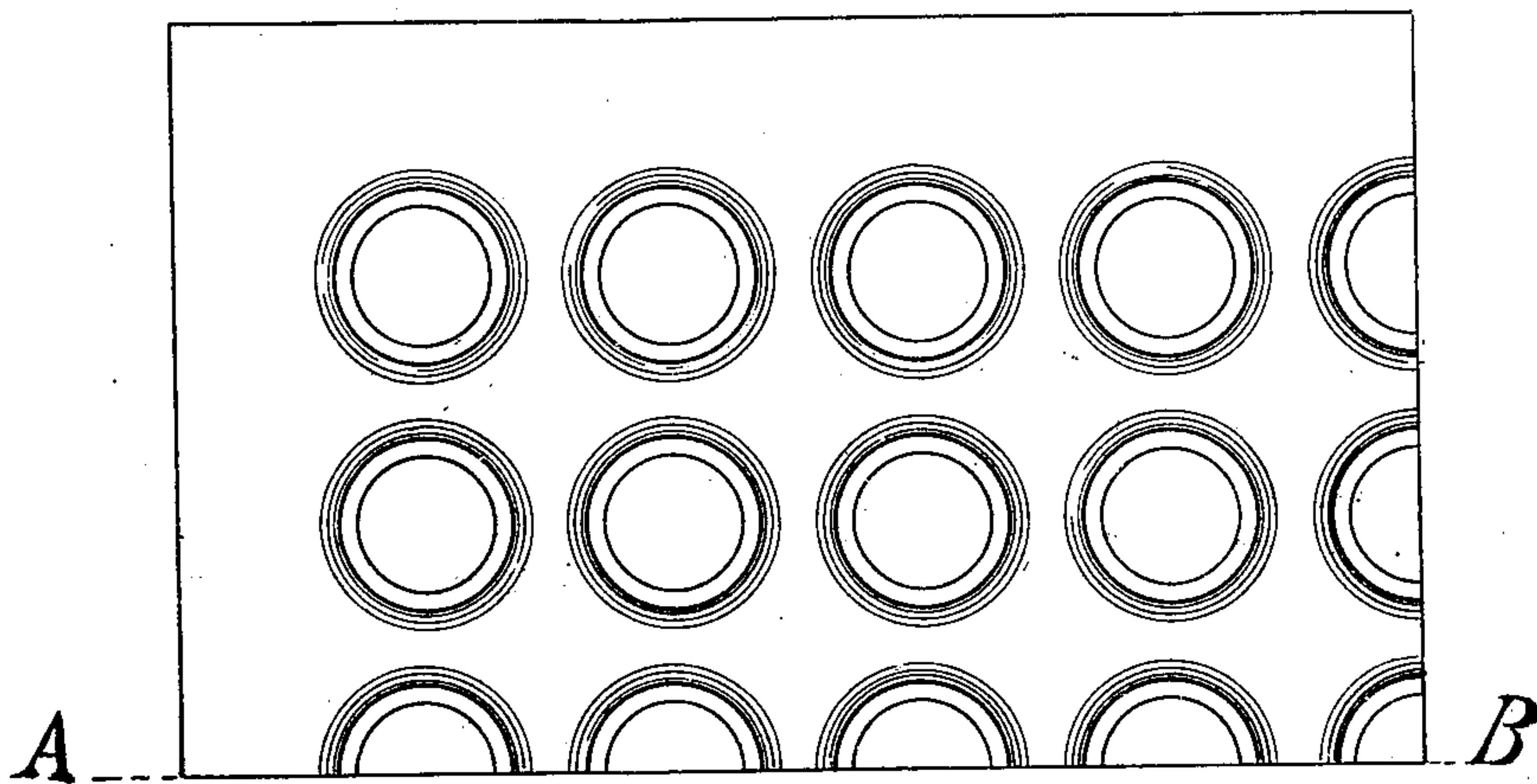
Patented Nov. 21, 1899.

F. WEAR.  
SAFETY TREAD.

(Application filed Apr. 3, 1899.)

(No Model.)

*Fig. 1.*



*Fig. 2*



*Witnesses.*

*Charles Wear*  
*J. L. MacLary*

*Inventor.*

*Frank Wear*  
*per*  
*Adolph F. Gueries*  
*Attorney.*

# UNITED STATES PATENT OFFICE.

FRANK WEAR, OF MEDFORD, MASSACHUSETTS.

## SAFETY-TREAD.

SPECIFICATION forming part of Letters Patent No. 637,437, dated November 21, 1899.

Application filed April 3, 1899. Serial No. 711,634. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK WEAR, of Medford, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Safety-Treads, of which the following is a specification.

My invention relates to improvements in the construction of safety-treads, as hereinafter described.

The device is constructed by perforating holes in a plate of iron or steel and pressing the edges of the plate around the holes upward and outward, and then by filling the holes with lead flush with the bottom of the plate and level with top of turned-up edges. The tread-plate thus obtained, having disks of lead elevated above the body of the plate and held firmly in position by the steel rim formed by the turned-up edges of the plate, acts as a safeguard against slipping and may be fastened to the surface of stair-treads, platforms, sidewalks, carriage-steps, or other places where a firm footing is desired.

Figure 1 is a plan view of a portion of a tread-plate. Fig. 2 is a sectional view taken at line A B of Fig. 1 and shows the form into which the edges of the plate are pressed up, as shown at C, and the lead filling at D.

I am aware that the combination of lead and iron or steel has been used for this purpose, and I therefore do not claim such a combination, broadly.

What I do claim, and desire to secure by Letters Patent of the United States, is—

The combination of a plate of iron or steel perforated and pressed into shape and filled with lead, as herein described and for the purposes specified.

In testimony whereof I have affixed my signature in presence of two witnesses.

FRANK WEAR.

Witnesses:

ADOLPH F. CUERIER,  
JAMES L. MACLARY.