

(No Model.)

C. S. WARDWELL.
FOOT HOLDER FOR TREADLES.

No. 376,566.

Patented Jan. 17, 1888.

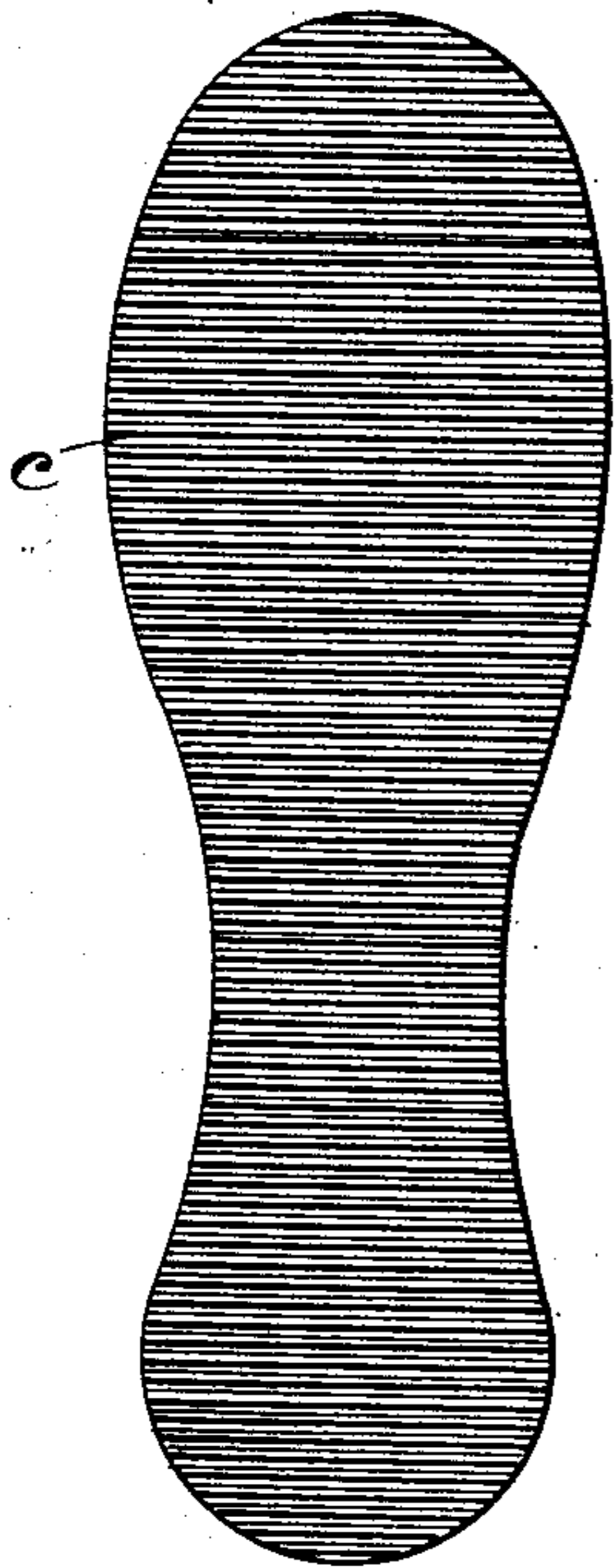


Fig. 1.

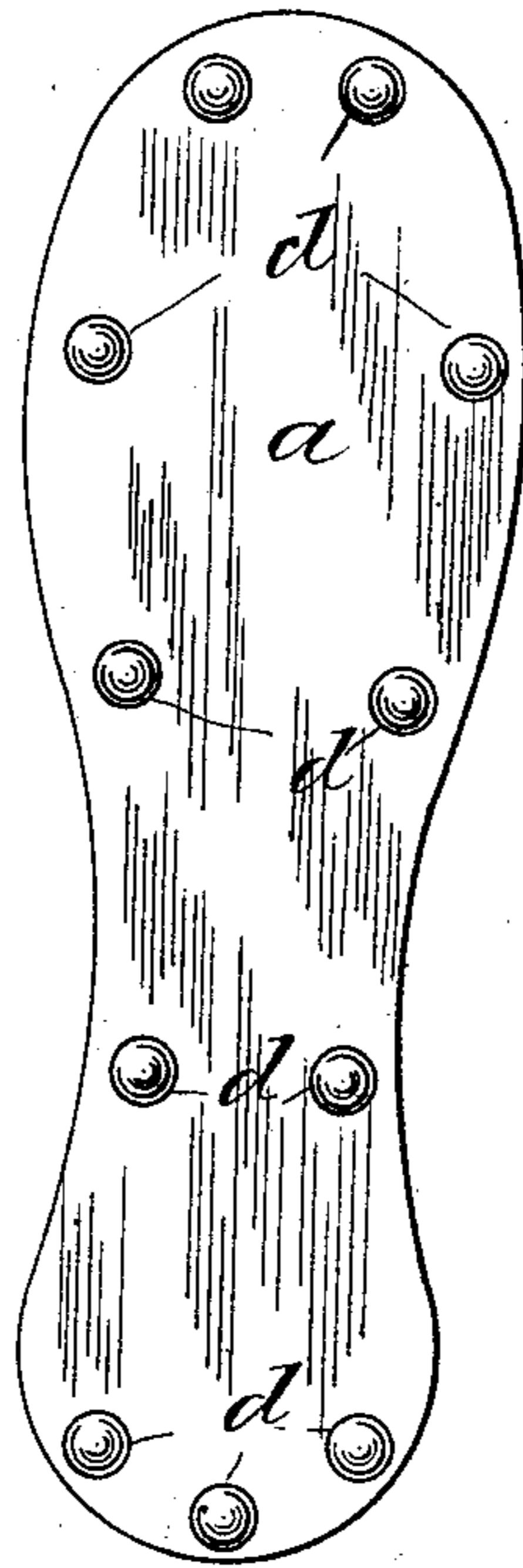


Fig. 2.

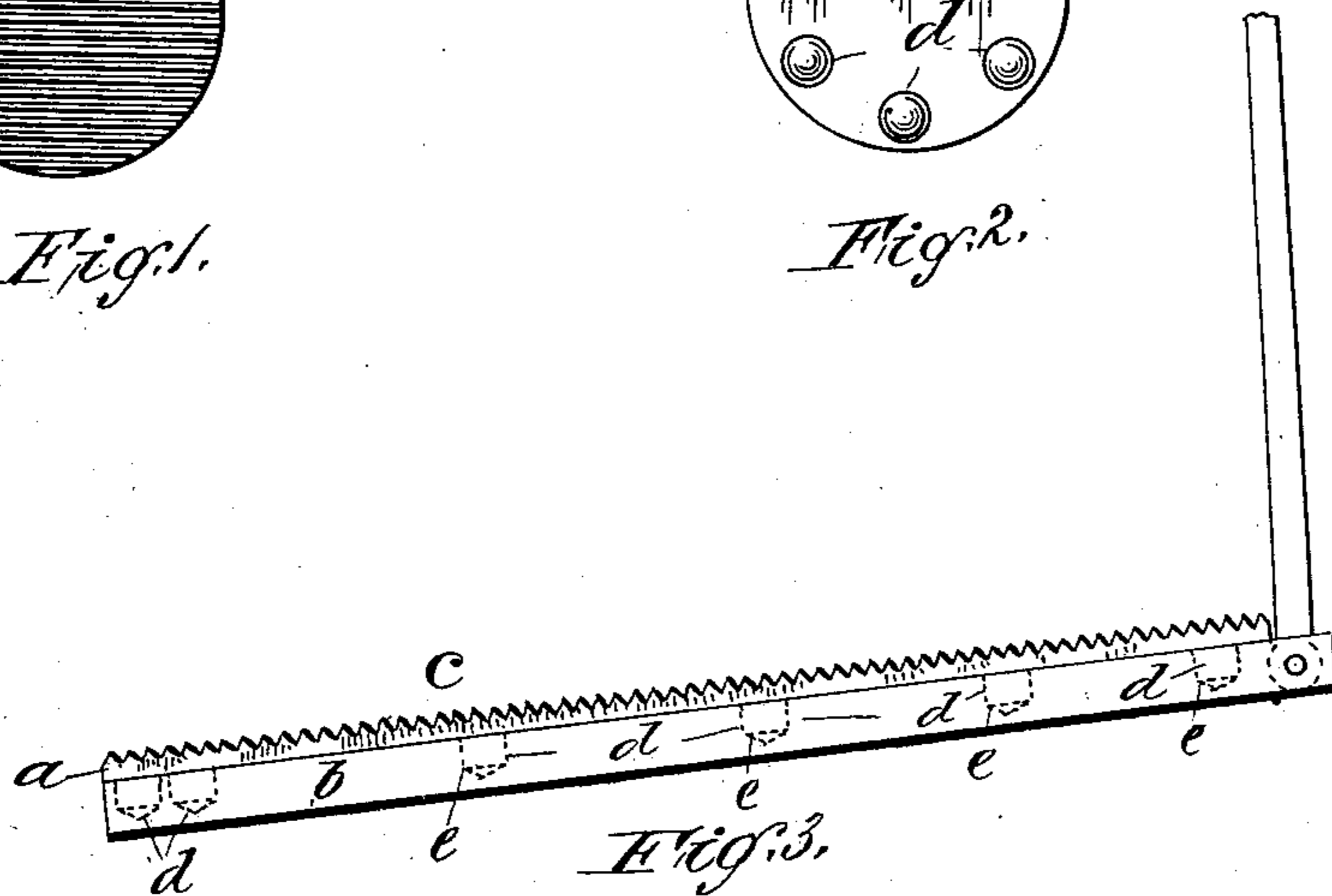


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

CLAISON S. WARDWELL, OF STAMFORD, CONNECTICUT.

FOOT-HOLDER FOR TREADLES.

SPECIFICATION forming part of Letters Patent No. 376,566, dated January 17, 1888.

Application filed August 10, 1887. Serial No. 246,632. (No model.)

To all whom it may concern:

Be it known that I, CLAISON S. WARDWELL, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Foot-Holder for Treadles, of which the following is a full, clear, and exact specification, reference being had to the drawings accompanying and forming a part of the same.

My invention relates to a device for holding the foot on the foot rest or tread of a treadle during the operation of the same; and the purpose of my improvement is to provide an elastic frictional pad or cushion adapted to fit the foot, and provided with means for adjustably securing it to the foot-piece or tread of any one of the general styles of treadles used in dental engines, sewing-machines, &c. The construction of this foot-holder is such as to render it particularly applicable to the S. S. White dental engine, at present so extensively known and used by dentists.

In the accompanying drawings, which fully illustrate the novel features of my invention, Figure 1 is a top plan view of my improved foot-holder. Fig. 2 is a similar view taken from the under side; and Fig. 3 is a side elevation of the same, shown secured to the foot-piece of a treadle.

In the use of the treadle for operating machines there is always a great tendency of the foot to slip off of the rest, which, being of metal and smoothly finished, forms an unsteady hold for the foot while it is operating the machine, and this is particularly so in dental engines, where the operator is obliged to employ but one foot to run the engine. In the latter case it is manifestly important that the foot should be kept firmly on its rest in order to produce

a uniform motion of the drill, and for this class of machines my holder is particularly designed.

Referring to the drawings, let *a* represent a pad or cushion molded or otherwise formed out of rubber and of a shape to fit the plate or rest *b* on the treadle, (see Fig. 3,) on which the foot is held.

On the upper surface of the pad are provided transverse corrugations *c c*, &c. These may extend entirely over the upper surface, as shown, or only over a part thereof, as may be desired. A number of bosses or studs, *d d*, are provided on the under side, placed, respectively, at the toe and heel portion and centrally equidistant therefrom, which studs are adapted to enter corresponding holes or recesses, *e*, formed in the plate *b* of the treadle. These studs being sprung into the holes, the pad and plate are securely held together, the pressure of the elastic material preventing any slipping or working upward of the pad, while it is easily detached when it becomes necessary to replace it by a new one. These holders are designed to be made complete, ready for attachment to all styles of treadles, the retaining-studs being placed on the pad so as to fit the apertures in the foot-plate of the treadle.

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

An adjustable foot-holder for treadles, consisting of the elastic body *a*, provided with studs *d*, formed integral with the body and having corrugations *c*, as and for the purpose set forth.

CLAISON S. WARDWELL.

Witnesses:

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