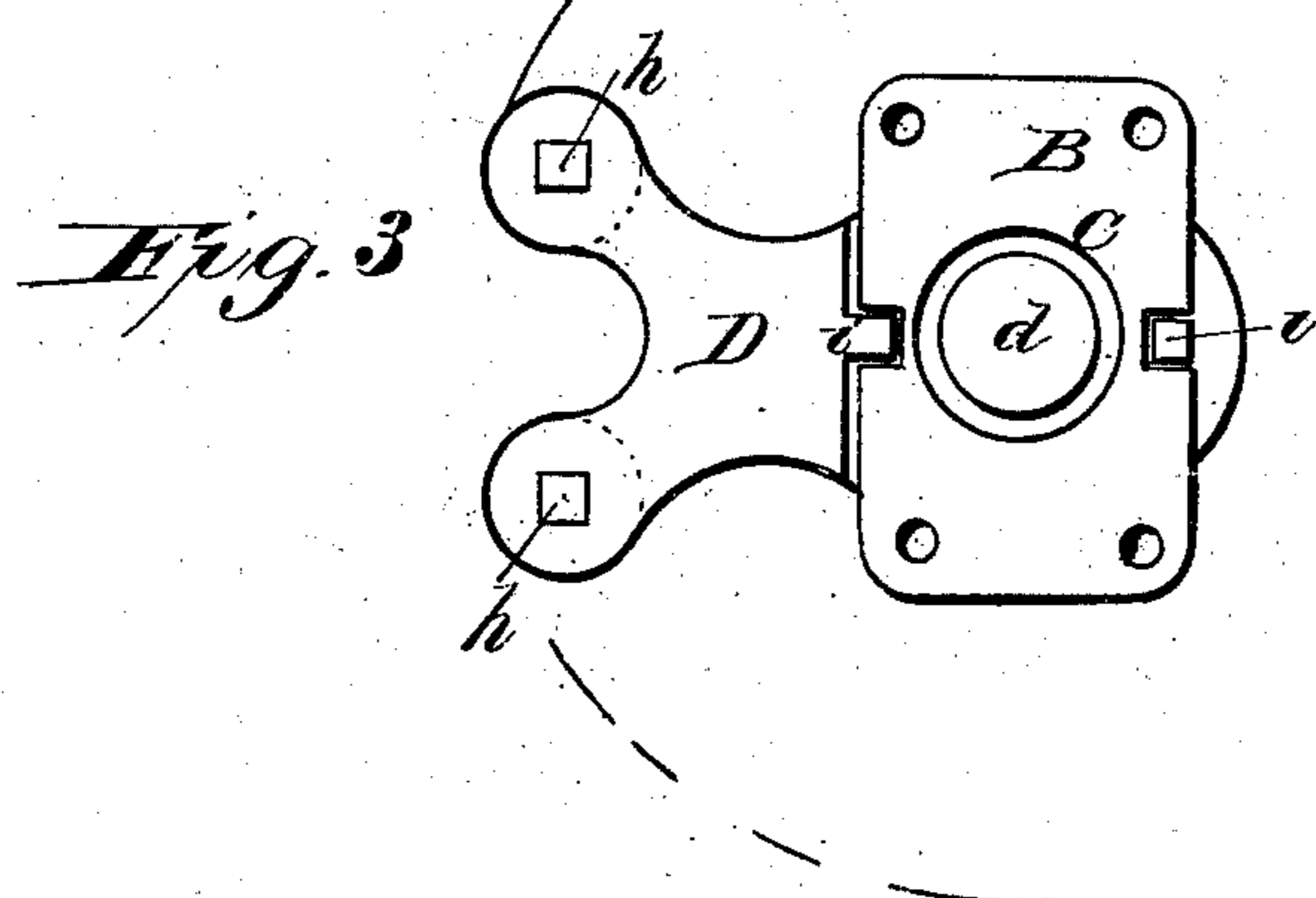
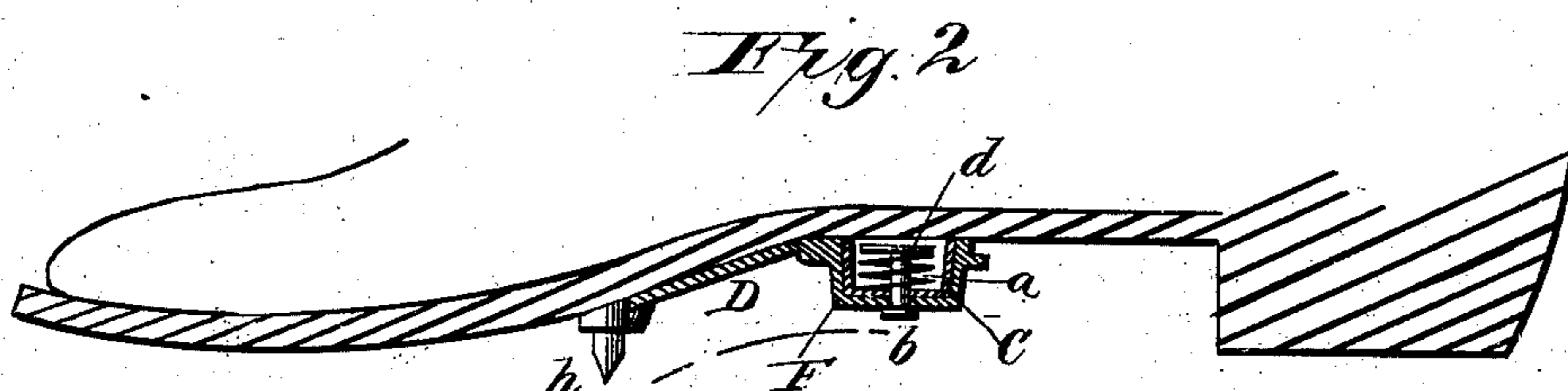
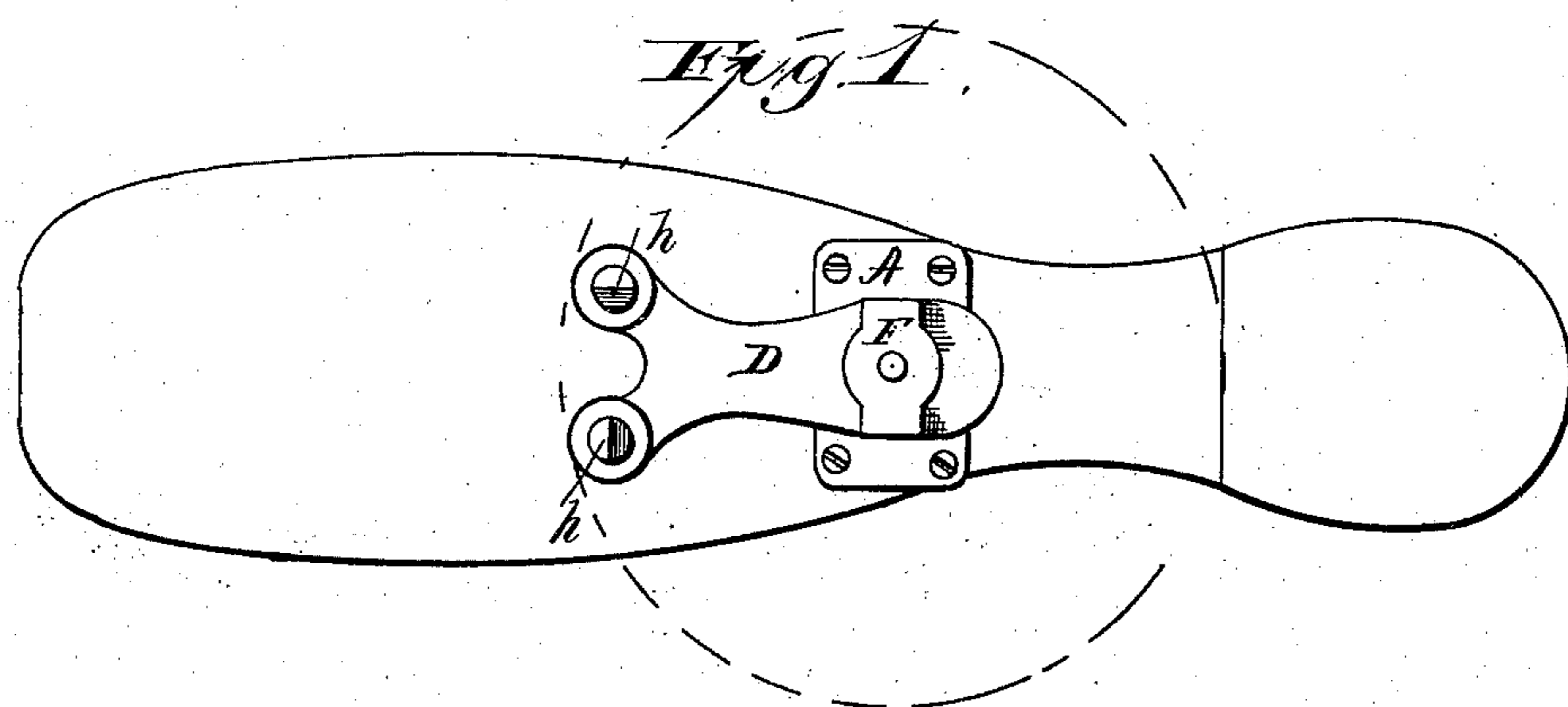


(No Model.)

R. F. PREUSSER.
Ice-Creeper.

No. 228,114.

Patented May 25, 1880.



Witnesses:
Francis L. Ouraud
H. Aubrey Faulkner

Inventor:
R. F. Preusser
By Alexander M. Mason
attys

UNITED STATES PATENT OFFICE.

RICHARD F. PREUSSER, OF EASTON, PENNSYLVANIA.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 228,114, dated May 25, 1880.

Application filed April 8, 1880. (No model.)

To all whom it may concern:

Be it known that I, RICHARD F. PREUSSER, of Easton, in the county of Northampton, and in the State of Pennsylvania, have invented certain new and useful Improvements in Creepers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to ice-crawlers capable of swinging on a pivot; and it consists in the combination of a notched base-plate formed with a cup to receive a spring, and another plate provided with points and lugs and formed with a cup to fit around the cup on the base-plate, and a central pin or rivet for holding the parts together by the tension of the spring, all substantially as hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a bottom view of a boot or shoe with my ice-crawler applied thereto. Fig. 2 is a longitudinal section of the same. Fig. 3 is a plan view of the crawler.

A represents the sole of a boot or shoe, to the under side of which, on the shank, is fastened a plate, B. This plate is formed with a cup or cylinder, C, in which is placed a spiral spring, *a*, and through the same is passed a rivet, *b*, having its head *d* on top of the spring.

The end of the rivet passes through the bot-

tom of the cup C, and also through a similar cup or cylinder, F, formed on a second plate, D, and surrounding and covering the cup C, after which the end of the rivet is upset, so that the parts cannot be separated.

The plate D is formed with two lugs, *i i*, to enter corresponding slots in the plate B, as shown in Fig. 3, and is also provided with two or more prongs or points, *h h*.

The plate D can be turned so as to bring the points *h* under the foot when the ice-crawler is to be used, or to bring the points next to and in front of the heel. In this position the points will not be as low as the heel, and hence will not injure floors or carpets.

The spring *a* and lugs *i* hold the plate D steady in either position.

I am aware that an ice-crawler composed of two parts, one turning upon the other, is not new, and I do therefore not claim such, broadly, as my invention.

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

The combination of the notched plate B, with cup C, the plate D, having cup F, points *h*, and lugs *i*, and the spring *a* and rivet *b*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 31st day of March, 1880.

RICHARD FRED. PREUSSER.

Witnesses:

JOHN S. NOBLE,
JACOB F. SANDT.