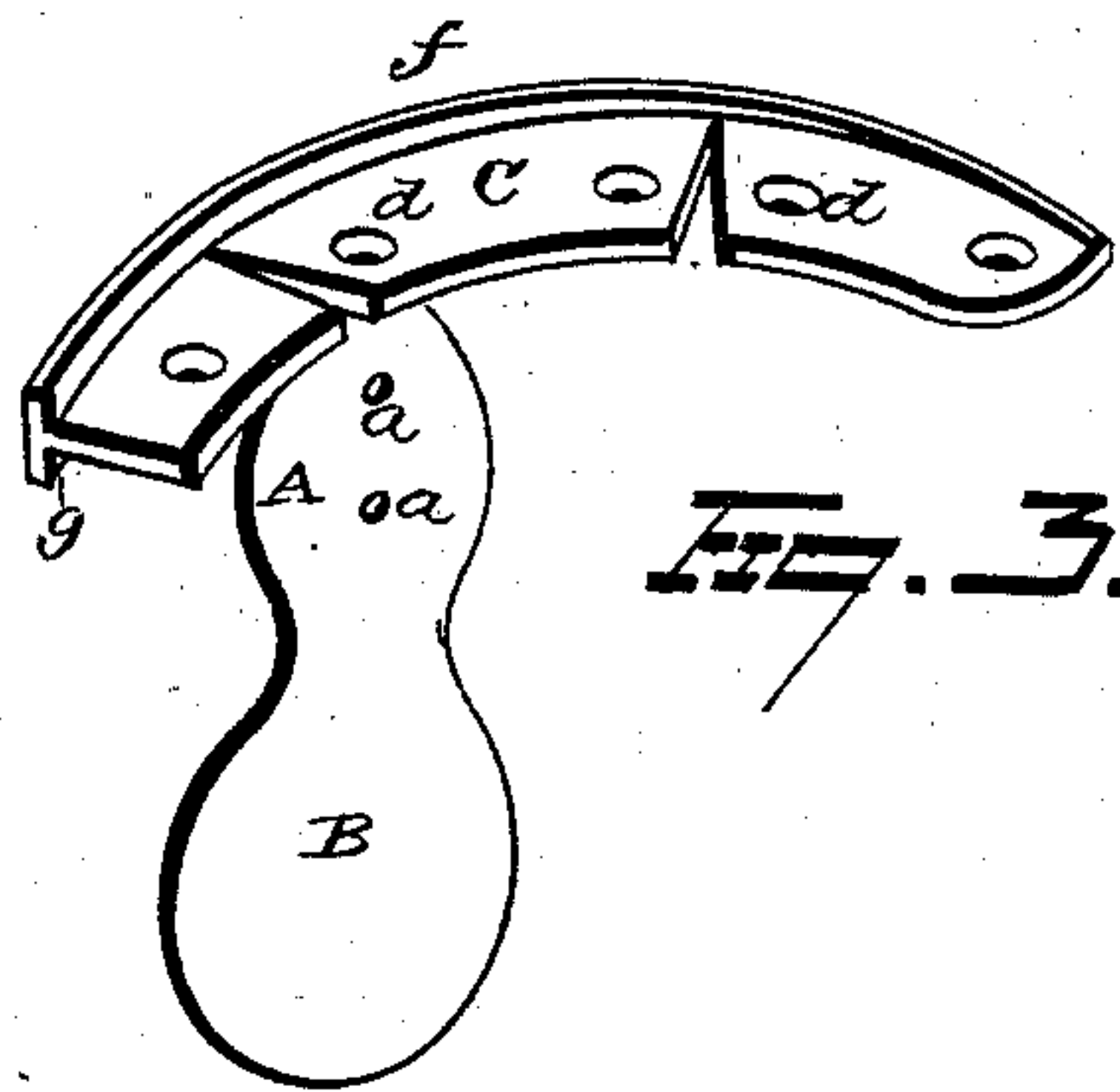
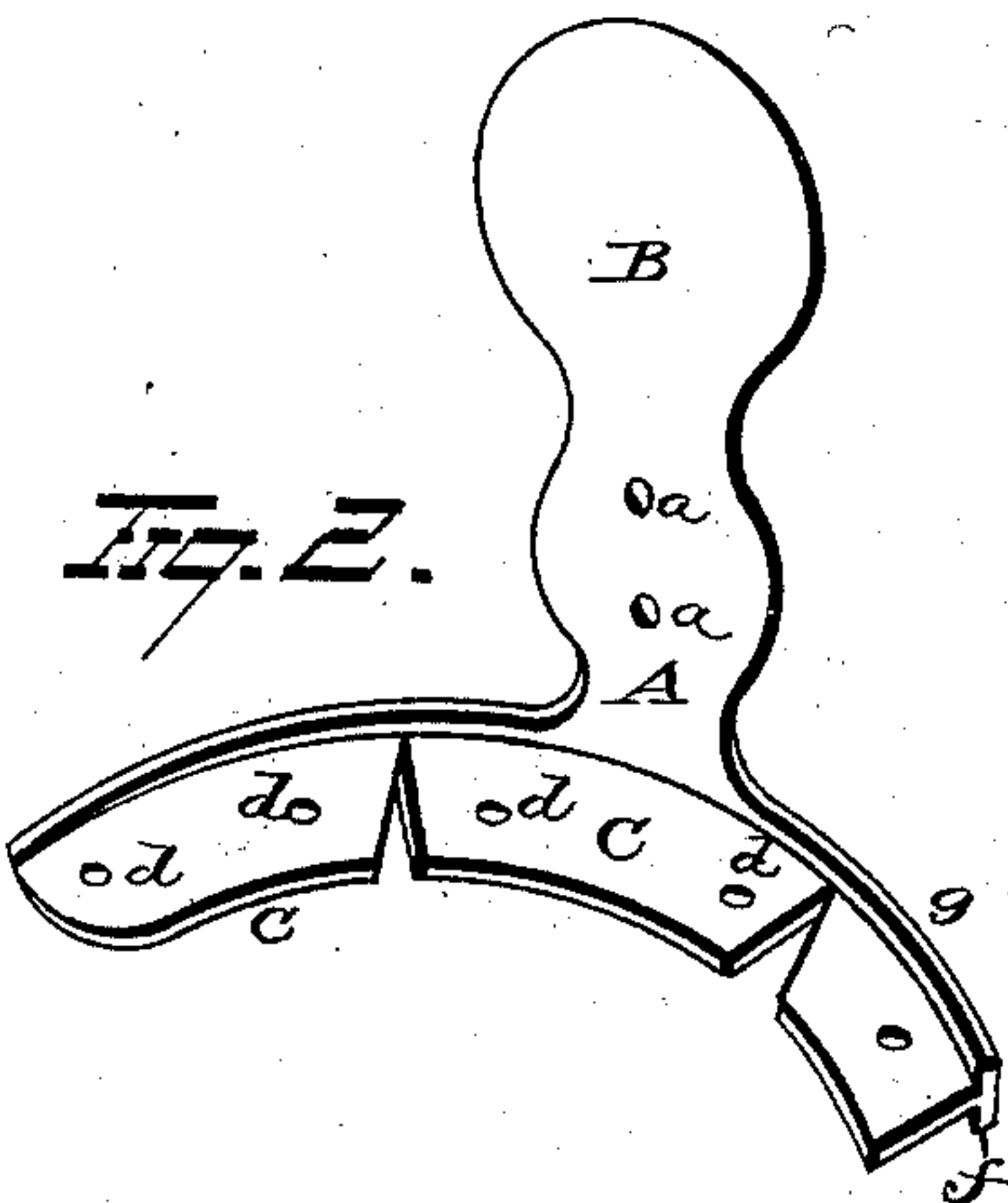
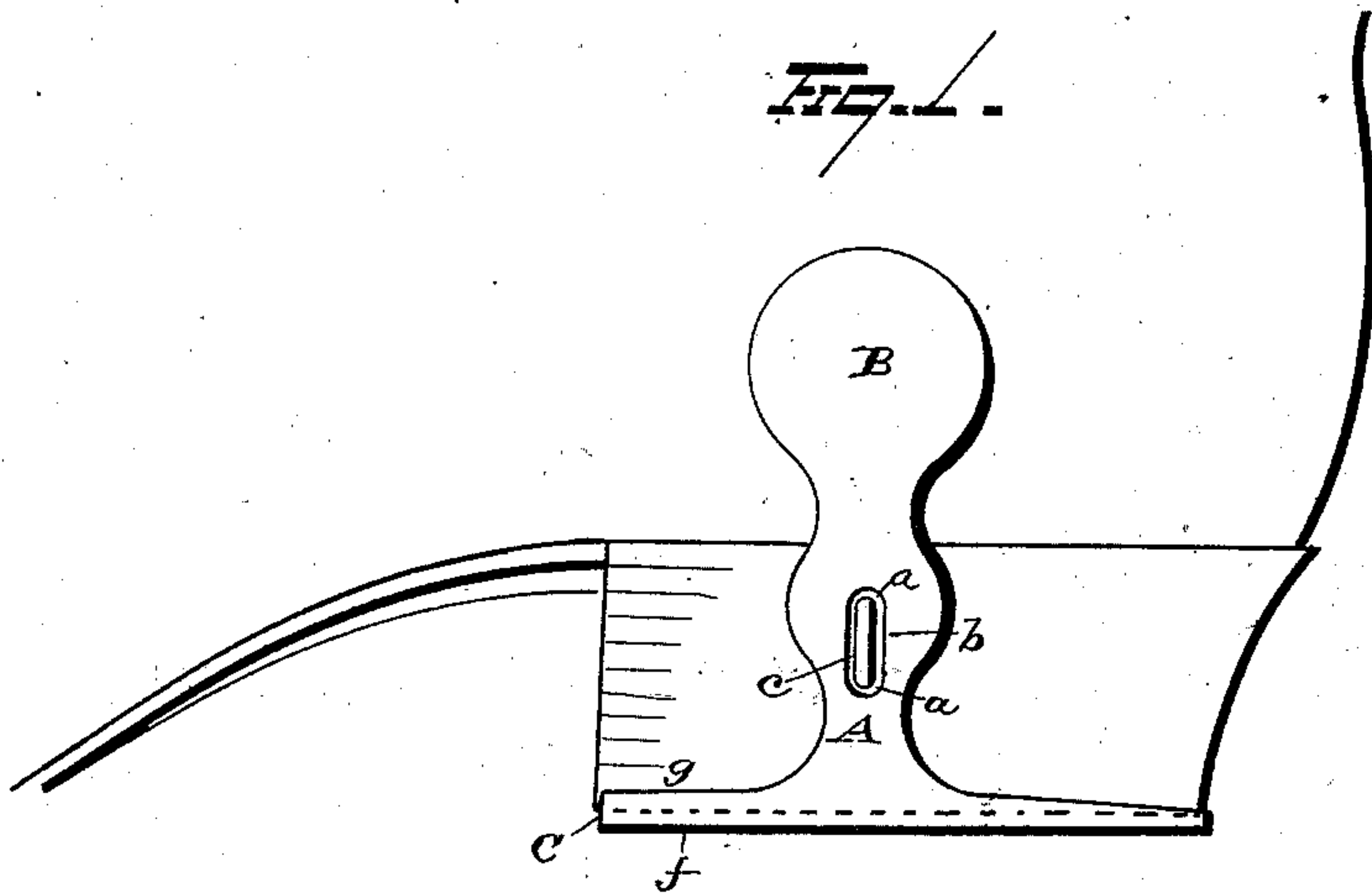


A. A. NORMAN.
Counter and Heel Protector.

No. 225,070.

Patented Mar. 2, 1880.



WITNESSES

E. J. Nottingham
A. M. Bright

INVENTOR

A. A. Norman
By Seagett & Seagett
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ANDREW A. NORMAN, OF CORNING, IOWA, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO ALFRED LINDGREN, OF SAME PLACE.

COUNTER AND HEEL PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 225,070, dated March 2, 1880.

Application filed January 10, 1880.

To all whom it may concern:

Be it known that I, ANDREW A. NORMAN, of Corning, in the county of Adams and State of Iowa, have invented certain new and useful Improvements in Combined Counter and Heel Protectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain improvements in combined counter and heel protectors.

It consists, first, in the combination, with a shank provided with a counter-support at its upper end, of a heel-plate secured to its opposite end, the outer edge of said plate having a vertical rim, which depends therefrom and is adapted to raise the horizontal portion of the plate from the ground; second, in the combination, with a shank provided with a counter-support at its upper end, of a heel-plate secured to its lower end and formed with a vertical rim about its outer edge, said rim extending above the main portion of the plate and adapted to maintain the heel raised therefrom.

In the drawings, Figure 1 represents the invention applied in use. Fig. 2 is a detail perspective view of the device. Fig. 3 is a reverse view of the heel-plate.

The shank A has its upper extremity provided with the counter-support B, which may be of any desired form adapted to brace the counter.

The central portion of the shank is provided with two holes, *a*, and a groove, *b*, which connects the latter. A staple, *c*, fits in said groove, and its arms pass through the holes in securing the shank to the heel.

Instead of the staple, screws or analogous fastening devices may be employed.

To the lower extremity of the shank is secured the heel-plate C, which may be made to extend a greater or less distance around the heel. This plate is preferably made with V-shaped slots, in order that the plate may be adjusted in circular conformation to fit the heel it may be secured to.

Holes *d* in the plate permit screws or equivalent fastenings to be employed in securing it in position.

The outer edge of the heel-plate is formed with two vertical rims. The lower one, *f*, depends from the horizontal portion of the plate, and is adapted to raise the latter from the ground.

A twofold purpose is accomplished by this rim: It makes the plate much lighter and cheaper in construction than if the entire plate were made of a thickness equal to the vertical dimension of the rim, and it provides a frictional bearing for the heel, which prevents any tendency to slip.

The upper rim, *g*, extends above the main portion of the plate, and is adapted to maintain the heel raised therefrom. This rim is intended for use in case the heel has been previously worn on one side, and thereby the heel is leveled up.

I prefer to make the entire device of malleable iron.

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

1. In a combined counter and heel protector, the combination, with a shank provided with a counter-support at its upper end, of a heel-plate secured to its opposite end, the outer edge of said plate having a vertical rim which depends therefrom and is adapted to raise the horizontal portion of the plate from the ground, substantially as set forth.

2. In a combined counter and heel protector, the combination, with a shank provided with a counter-support at its upper end, of a heel-plate secured to its lower end and formed with a vertical rim about its outer edge, said rim extending above the main portion of the plate and adapted to maintain the heel raised therefrom, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of December, 1879.

ANDREW A. NORMAN.

Witnesses:

JOHN W. BIXBY,
A. LENDGREN.