

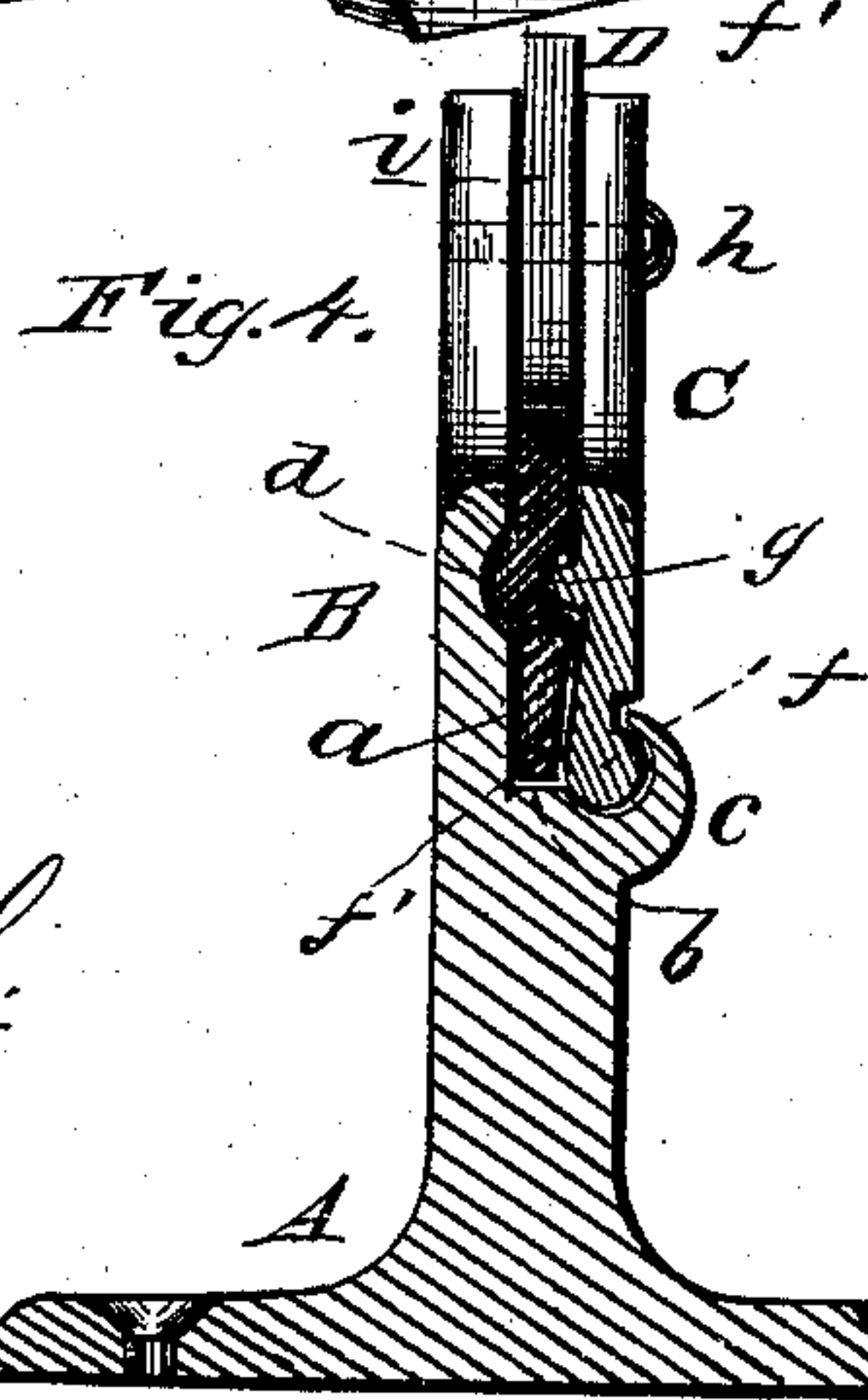
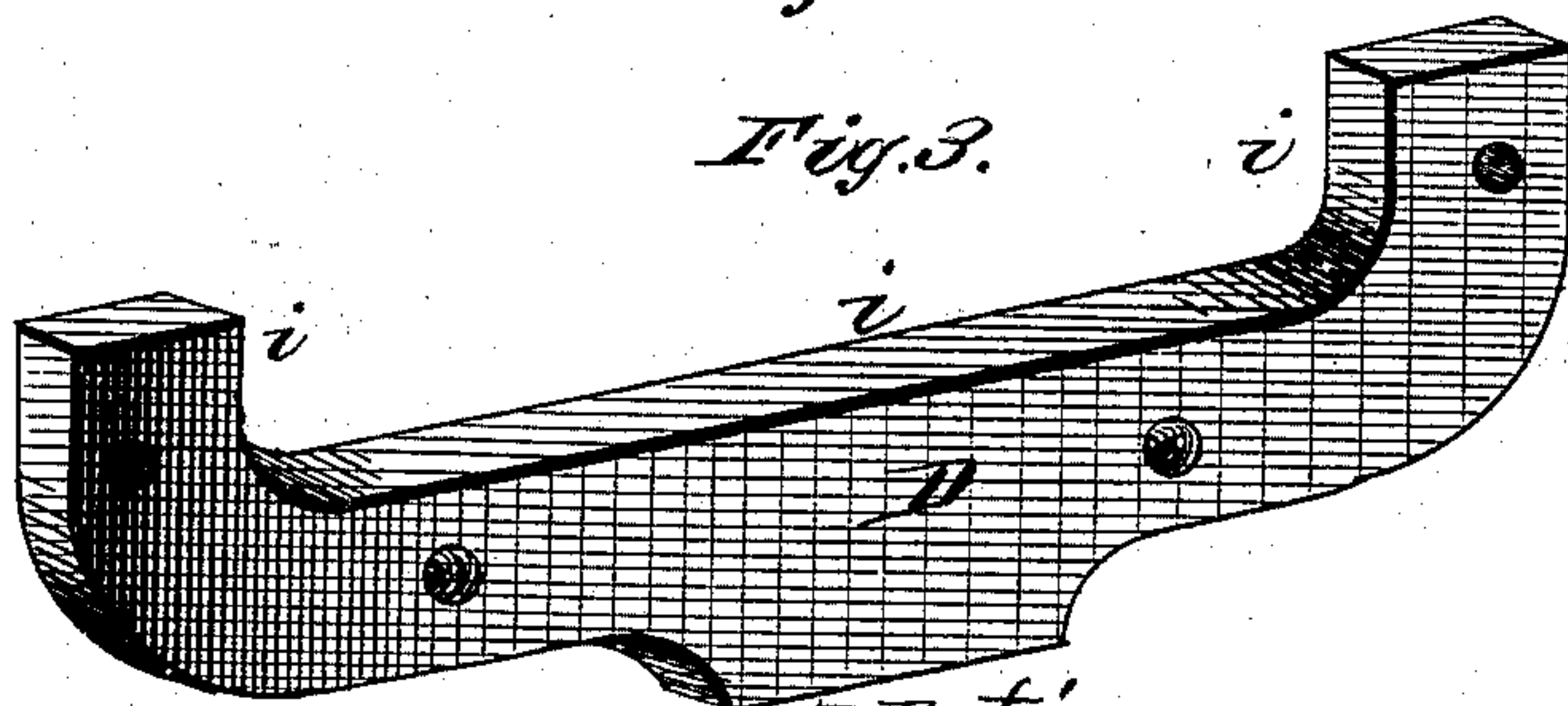
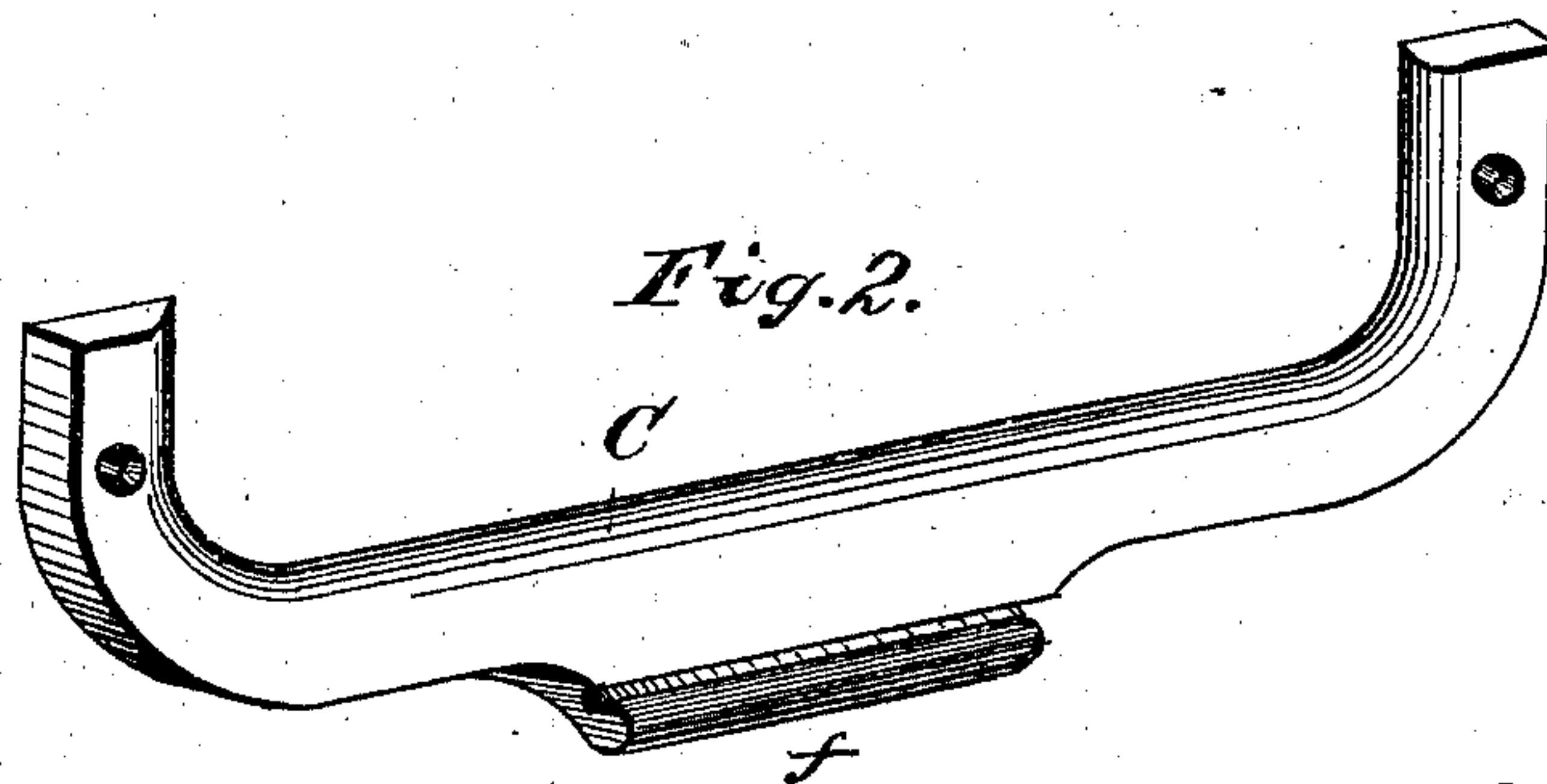
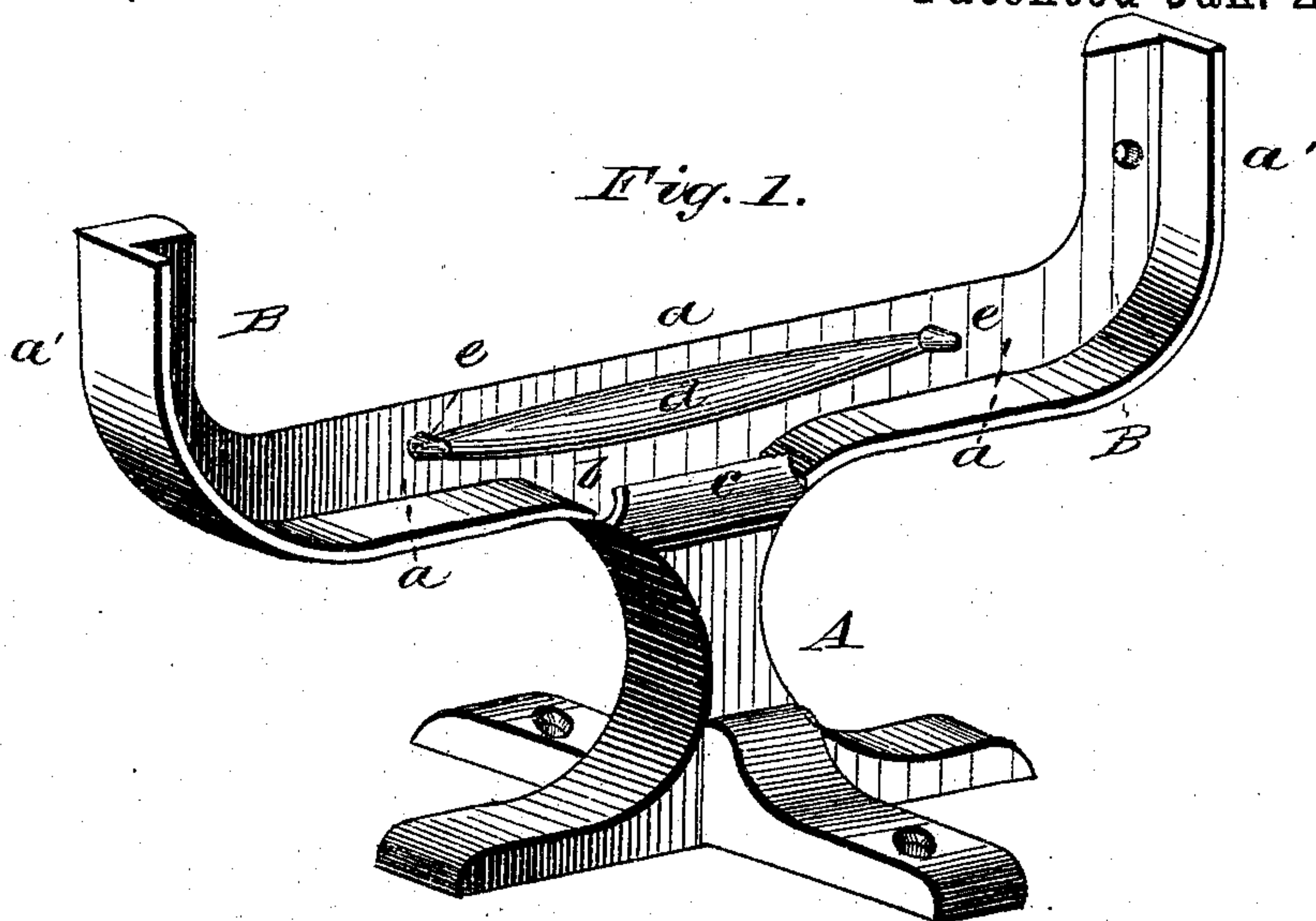
(No Model.)

S. C. PLOTNER.

SHOE SCRAPER.

No. 270,115.

Patented Jan. 2, 1883.



Witnesses:
Phil. C. Dornick.
Wm. Keyworth.

Inventor:
Schuyler C. Plotner.
by *W. Alexander*
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UNITED STATES PATENT OFFICE.

SCHUYLER C. PLOTNER, OF SOUTH BEND, INDIANA.

SHOE-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 270,115, dated January 2, 1883.

Application filed September 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, SCHUYLER C. PLOTNER, of the city of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Shoe-Scrapers; 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, which form part of this specification, in which—

Figure 1 is a perspective view of the standard without the rubber scraper and face-plate. Fig. 2 is a perspective view of the face-plate detached from the standard. Fig. 3 is a perspective view of the U-shaped rubber scraper. Fig. 4 is a vertical transverse section through the device complete.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a new and improved device for cleaning boots and shoes of mud, &c., in the manner which I will hereinafter fully explain with the aid of the annexed drawings.

A designates a four-footed standard, which may be suitably secured to any fixed base. This standard is cast with a U-shaped jaw, B, which is broad and shallow. The base and also the upturned portions of this jaw are flanged, as indicated by the letters *a a'*, and at the middle of the length of the jaw I form a deep recess, *b*, and a broad hooked lip, *c*, which latter rises directly from the pedestal of the standard A and hooks inwardly or toward the vertical flange *a* of the jaw B. The inner face of the flange *a* has a deep depression, *d*, considerably elongated, at the termini of which are formed spurs or bosses *e e*, for a purpose hereinafter explained. Near the upper ends of the horns of the jaw B screw-tapped holes are made through the vertical flange *a*.

C designates a U-shaped face-plate or counter-jaw, which corresponds in shape and size to the interior surface of the flange *a'* of the jaw B. At the middle of the length of the face-plate C, I form an interlocking flange, *f*, of hook shape, which is adapted to engage with the hooked lip *c* when the face-plate is adjusted in its place in the jaw B.

D designates a U-shaped rubber scraper or boot and shoe cleaner, which is made to fit between the flange *a* of the jaw B and the face

or clamping plate C. This rubber piece is scored to receive the spurs or bosses *e e* on the flange *a* of the jaw B, and also to receive a boss, *g*, formed on the inner surface of the plate C. The lower edge of the rubber piece D is made quite broad at the middle of its length, so as to form a tongue, *f*, that is slightly tapered and adapted to fit into the depression *b* between the hooked tongue *c* and the flange *a* of the jaw B. When the rubber piece D is adjusted in its place in the jaw B and the face-plate C is clamped by means of screws *h* against said rubber piece the horizontal and vertical edges of the latter, (indicated by letter *i*,) will extend beyond the corresponding beveled edges of the said jaw and plate and afford scraping-surfaces both for the soles and sides of boots and shoes. By removing the screws which secure the clamping face-plate to the jaw B the intermediate rubber piece, D, can be detached from the device when worn out and a new piece substituted.

It will be observed that the rubber scraping-piece D is firmly held between the jaw and face-plate by means of the clamping-screws, the spurs or bosses, the binding of the hooked lips, and the oblong depression, into which the rubber will embed itself.

Having described my invention, I claim and desire to secure by Letters Patent—

1. The combination of the U-shaped jaw B on a standard, A, the tongues *c*, the studs *e e*, the depression *d*, the elastic U-shaped scraper D, having perforations through its upturned ends and a beveled tongue on its lower edge, the face-plate C, and the interlocking flange *f*, all constructed and adapted to operate substantially in the manner and for the purposes described.

2. The new article of manufacture consisting of the elastic elongated U-shaped scraper having depressions in its sides, perforations through its upturned portions, and a beveled tongue on its lower edge, at the middle of its length, all constructed and adapted to operate for the purpose and in the manner described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

SCHUYLER C. PLOTNER.

Witnesses:

JAMES DU SHANE,
T. M. BISSELL.