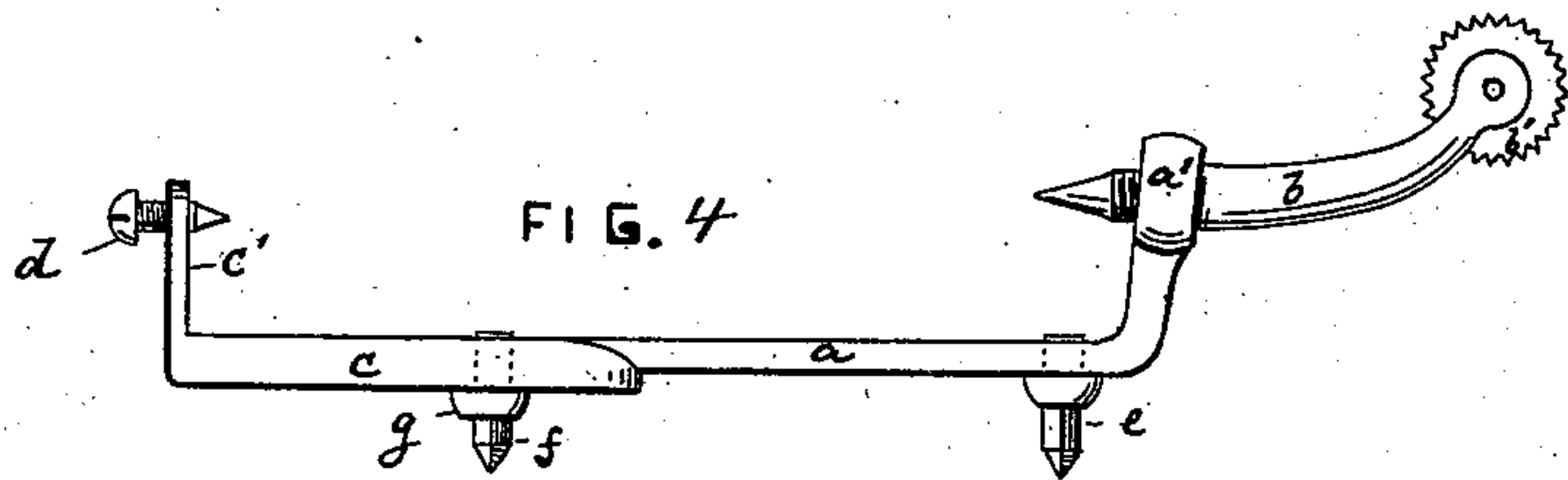
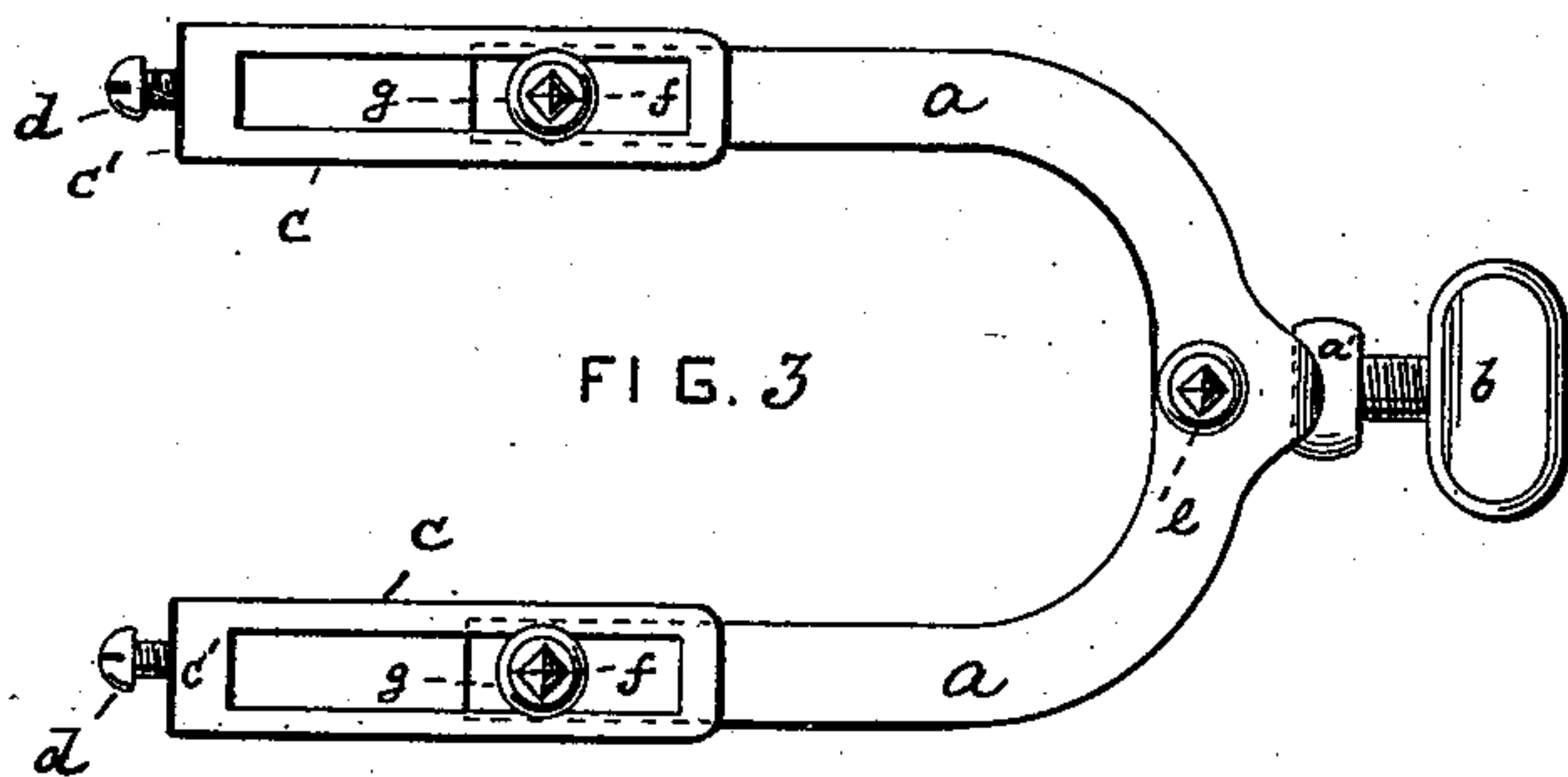
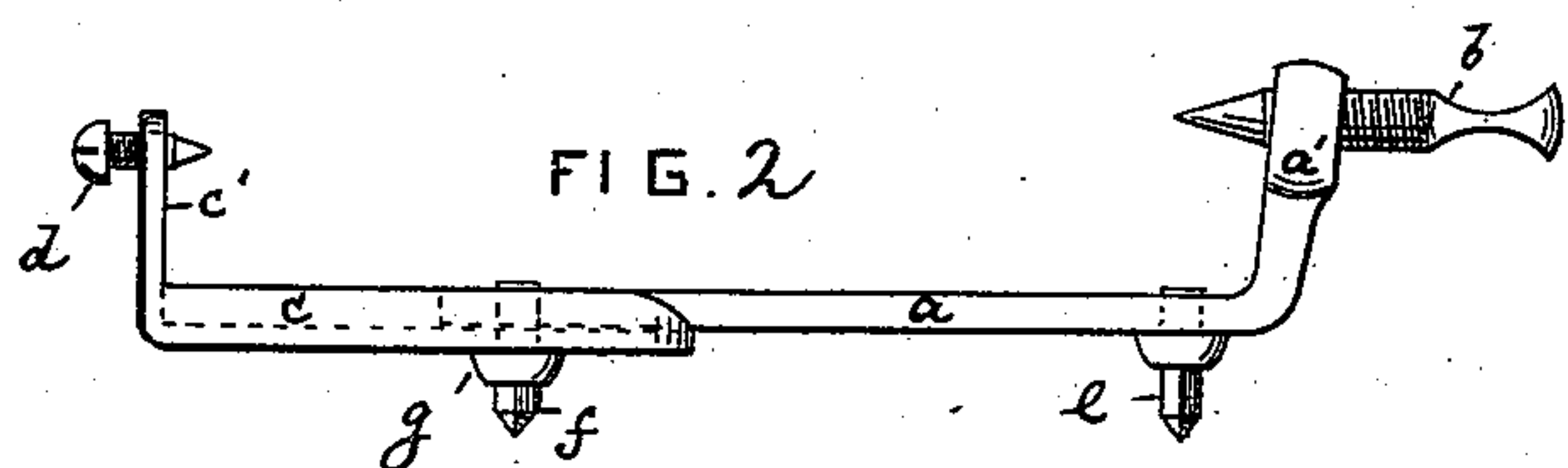
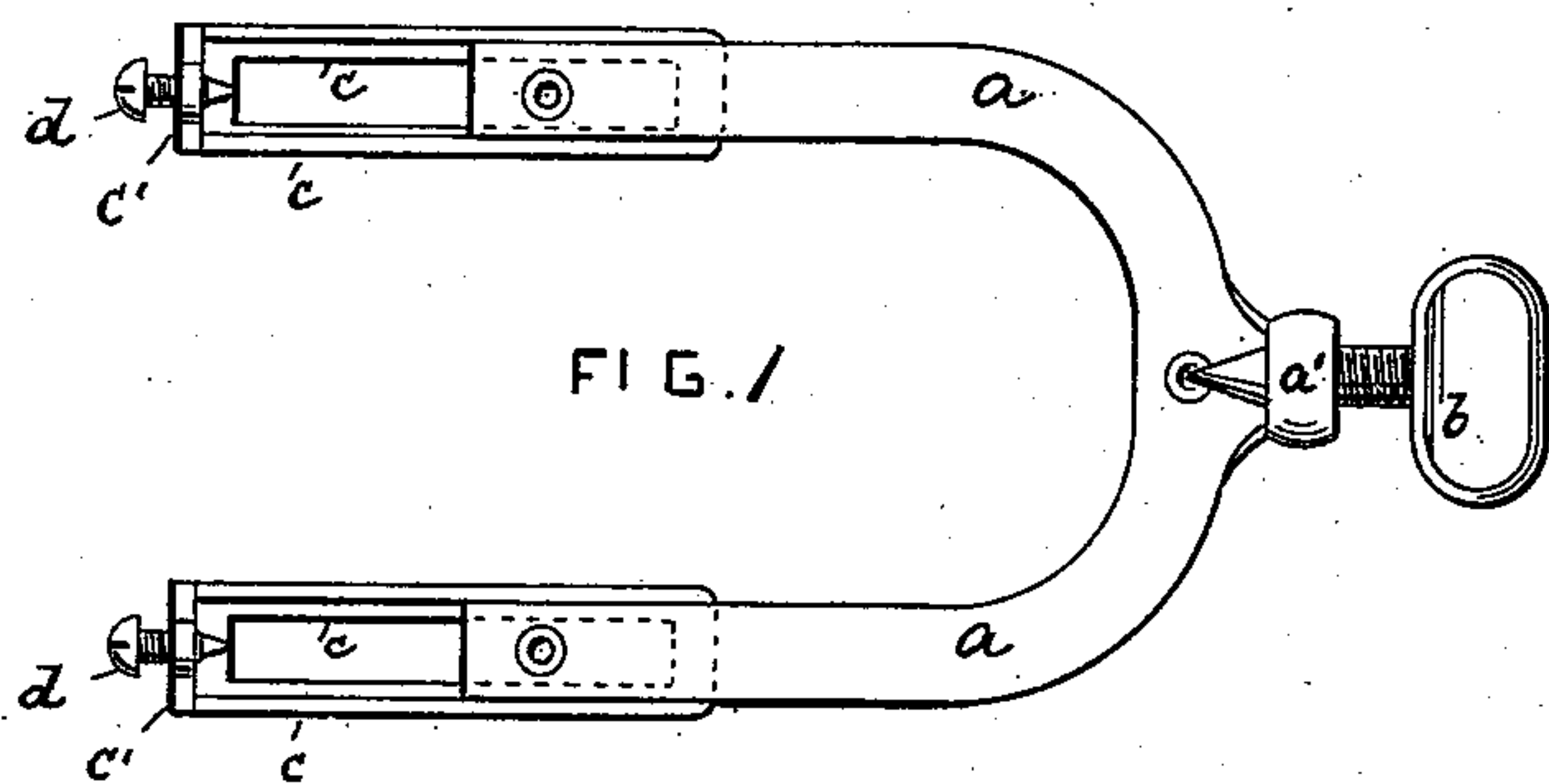


(No Model.)

C. SCHUMMEL.
ICE CREEPER.

No. 376,832.

Patented Jan. 24, 1888.



WITNESSES

Wm. A. Lowe

Alfred Joughmans

INVENTOR.

Carl Schummel
by his attorneys
Roeder & Biesen

UNITED STATES PATENT OFFICE.

CARL SCHUMMEL, OF HOBOKEN, NEW JERSEY.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 376,832, dated January 24, 1888.

Application filed November 29, 1887. Serial No. 256,415. (No model.)

To all whom it may concern:

Be it known that I, CARL SCHUMMEL, of Hoboken, Hudson county, State of New Jersey, have invented a new and Improved Ice-Creeper, of which the following is a specification.

This invention relates to an ice-creeper which can be adjusted to fit heels of different sizes.

The invention consists in the various features of improvement more fully pointed out in the claims.

In the accompanying drawings, Figure 1 is a top view of my improved ice-creeper. Fig. 2 is a side view thereof. Fig. 3 is a bottom view thereof, and Fig. 4 a side view of a modification.

The letter *a* represents a plate of horseshoe form, carrying at its center the upwardly-turned perforated lug *a'*, which is engaged by the screw *b*. The two shanks of the plate *a* are embraced by a pair of slides, *c*, having the up-turned lugs *c'*, which carry the pins or screws *d*.

From the bottom of plate *a* there project downwardly three prongs or spurs, *e f f*, for preventing slipping on the ice, and of which the spur *e* is at the center, while the spurs *f f* are nearer the ends of the plate. The spurs *f f* serve at the same time for attaching the slides *c* to the plate *a*, such slides being provided with a longitudinally-slotted bottom for the accommodation of the spurs. Each spur *f* carries a collar, *g*, beneath slide *c*, such collar pro-

jecting beyond the edges of the slot, Fig. 3, to hold the slide upon the spur. The spurs *f* should be squared, so that they can be grasped by a key. They are screwed into the plate *a*.

In use the slides *c* are first adjusted to the size of heel, and then the spurs *f* are tightened up to hold the slides in place. The creeper is then attached to the heel by means of the screw *b*. In Fig. 4 the screw *b* carries a rowel, *b'*, and adapts the device to be worn as a spur by riders. In that case the spur *e* may be omitted, and the spurs *f* are used merely for securing the slides *c* to plate *a*.

What I claim is—

1. The combination of plate *a*, having lug *a'*, with the slides *c*, embracing the ends of plate *a* and provided with lugs *c'* and with the fastening devices *b d*, substantially as specified.

2. The combination of plate *a* with the slides *c*, having slotted base, and with the spurs *e f*, the spurs *f* extending through said slotted base, and with collars *g* on spurs *f*, substantially as specified.

3. The combination of plate *a* with the slides *c*, having slotted base, and with spur *e* and the squared spurs *f*, screwed into plate *a* and carrying collars *g*, and with the fastening devices *d b*, substantially as specified.

CARL SCHUMMEL.

Witnesses:

FRANCIS H. ENGELL,
F. V. BRIESEN.