

(No Model.)

C. A. KILPATRICK.
EDGE PLANE.

No. 249,637.

Patented Nov. 15, 1881.

Fig: 1.

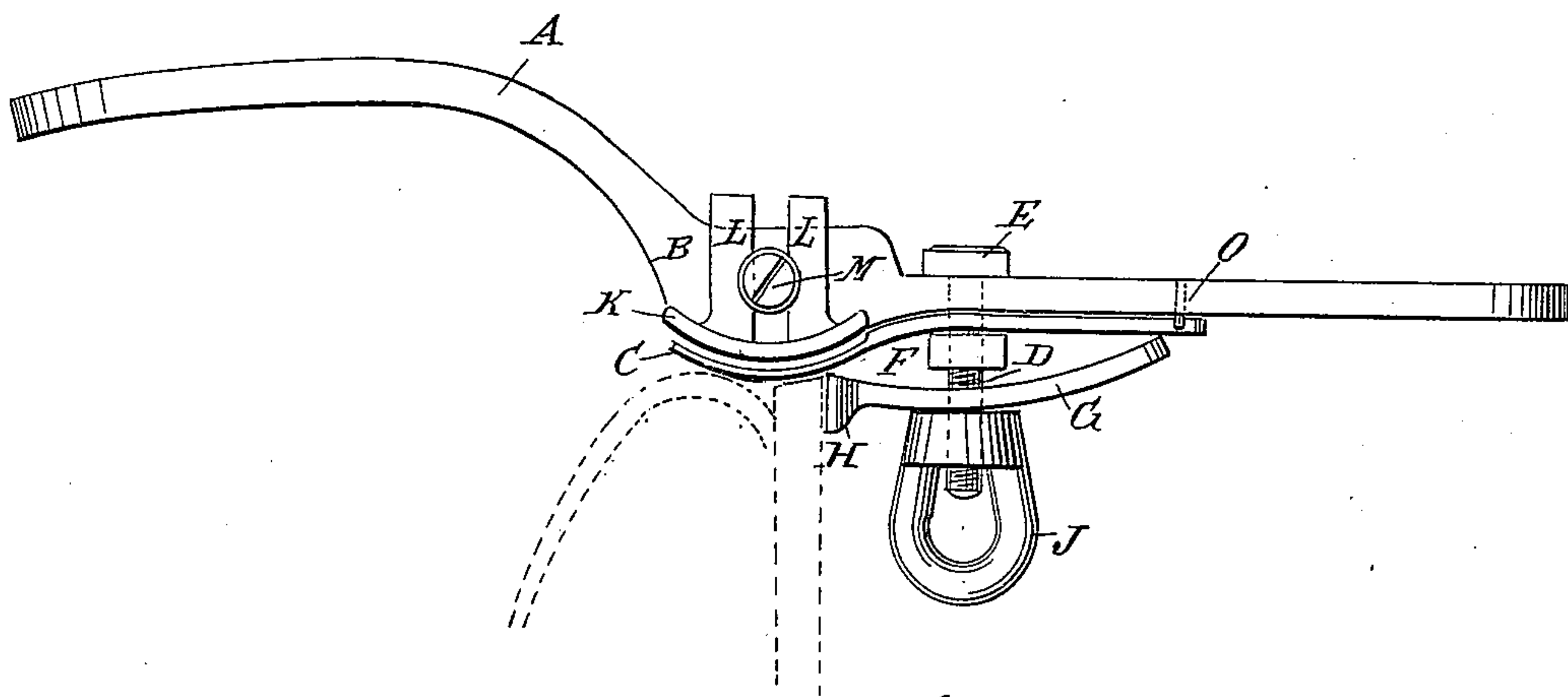


Fig: 2.

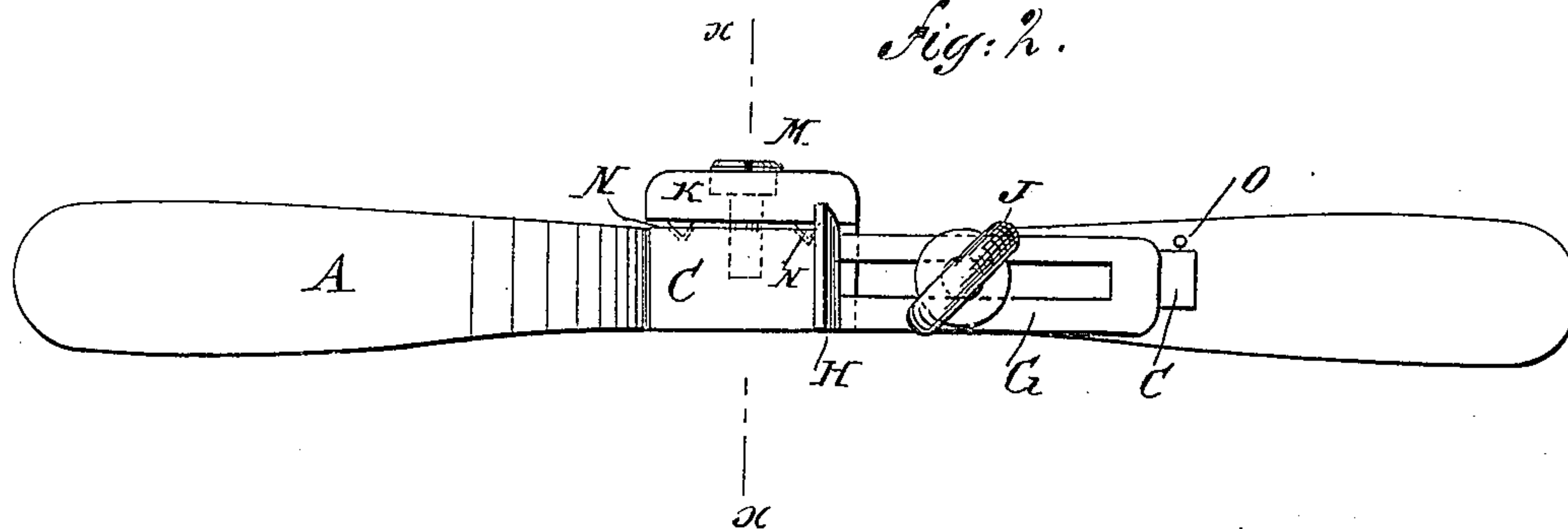
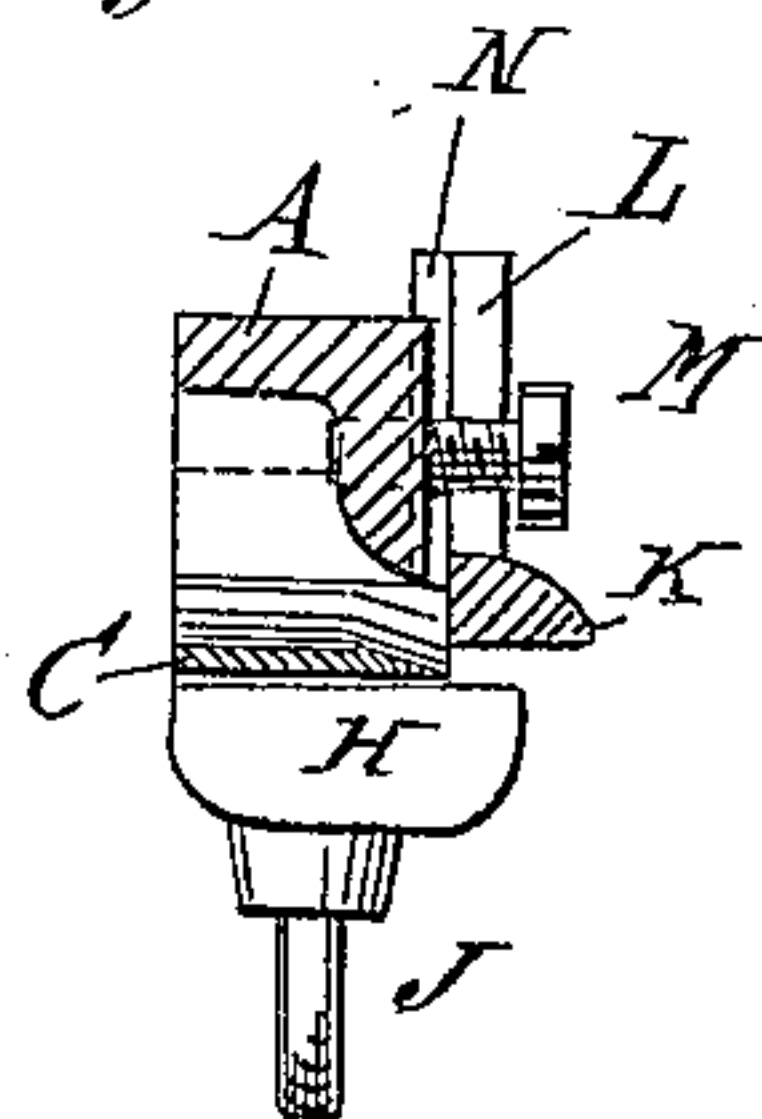


Fig: 3.



WITNESSES :

Chas. Nida.
C. Sedgwick

INVENTOR:

INVENTOR:
C. A. Kilpatrick
BY *Mum & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES A. KILPATRICK, OF ATHENS, (ORCUT CREEK P. O.,) PENNSYLVANIA,
ASSIGNOR TO HIMSELF AND JAMES E. ARNOLD AND WILLIAM WOODS,
BOTH OF NEW YORK, N. Y.

EDGE-PLANE.

SPECIFICATION forming part of Letters Patent No. 249,637, dated November 15, 1881.

Application filed August 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. KILPATRICK, of Athens, in the county of Bradford and State of Pennsylvania, have invented a
5 new and Improved Edge-Plane, of which the following is a specification.

The object of my invention is to provide a new and improved adjustable instrument for planing and smoothing the edges of soles of
10 boots and shoes.

The invention consists in a handle with a bend or knee in the middle, and provided at this bend and on the under side with a curved knife and a gage adjustable in the direction of
15 the length of the handle. A sliding gage, moving at right angles to the length of the handle, is held on the side of the same by a suitable screw.

In the accompanying drawings, Figure 1 is
20 a longitudinal elevation of my improved edge-plane. Fig. 2 is a plan view of the under side of the same. Fig. 3 is a cross-sectional elevation of the same on the line $x x$, Fig. 2.

Similar letters of reference indicate corresponding parts.

The handle A is provided with a bend or knee, B, near its middle, and a curved knife, C, is held on the under flat side of the handle in such a manner that the curved part of this
30 knife will be below the curved part of the bend of the handle. The knife C is held on the handle A by a screw, D, with a head, E, and a nut, F. A longitudinally-slotted spring-gage, G, with a guide-flange, H, at the end, is held on
35 the screw D by means of a thumb-nut or winged nut, J, the ends of the gage resting on the ends of the knife C. A gage, K, curved the same as the knife C, is provided with two shanks, L, and between these two shanks a
40 binding-screw, M, passes into the side of the handle, thus making this gage adjustable in a

direction at right angles to the direction of the length of the handle. The shanks L are provided on the inner sides with beveled guide-feathers N, fitting into corresponding grooves
45 in the side of the handle.

The instrument is used in the following manner: Accordingly as the edge of the sole of a boot or shoe is to be more or less beveled, the
50 gage G is so adjusted that its flange H will be a less or greater distance from the middle of the curved knife C. While using the instrument the flange H of the gage G slides along the under side of the edge of the sole. The
55 gage K is adjusted by means of the screw M, according to the depth of the cut to be made by the knife C. The knife C is held firmly at two ends by means of the spring-gage G and the wing-nut J; but to prevent all accidental
60 slipping of the knife the handle is provided with a stud, O, against which the outer end of the knife rests.

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

1. In an edge-plane, the combination, with
the handle A and the knife C, of the bolt D, the nuts F J, and the slotted spring-guard G, having its ends resting upon the knife, where-
70 by the knife and guard are secured by the same bolt and the former securely held at its center and ends, substantially as and for the purpose set forth.

2. In an edge-plane, the combination, with
the handle A, provided with vertical grooves, 75 of the knife K, provided with shanks L, having guide-feathers N, and the set-screw M, substantially as and for the purpose set forth.

CHARLES ALBERT KILPATRICK.

Witnesses:

EDMOND L. FIELD,
CHENEY TAYLOR.