

(No Model.)

C. E. STEVENS.

MECHANISM FOR GRINDING CUTLERY.

No. 354,447.

Patented Dec. 14, 1886.

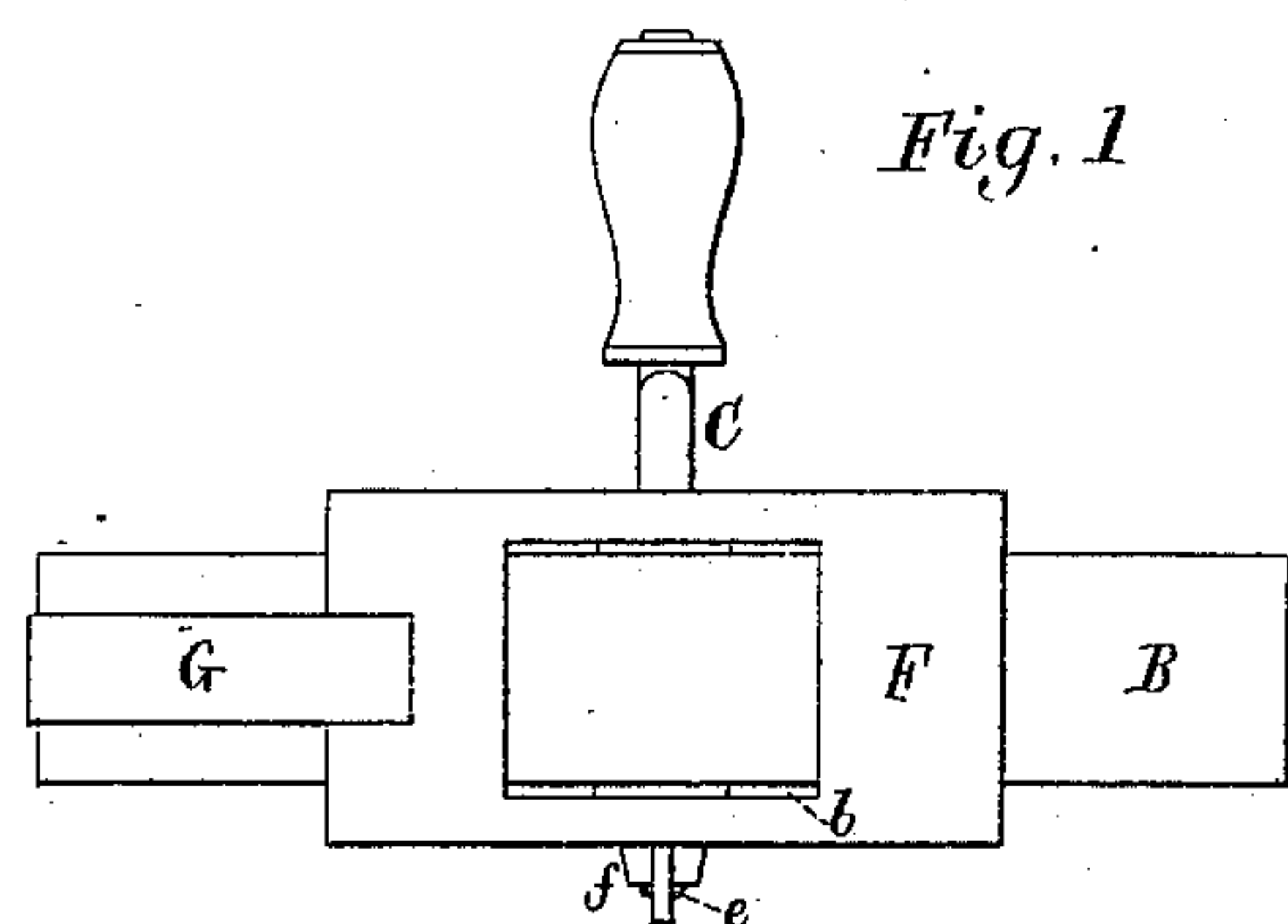


Fig. 1

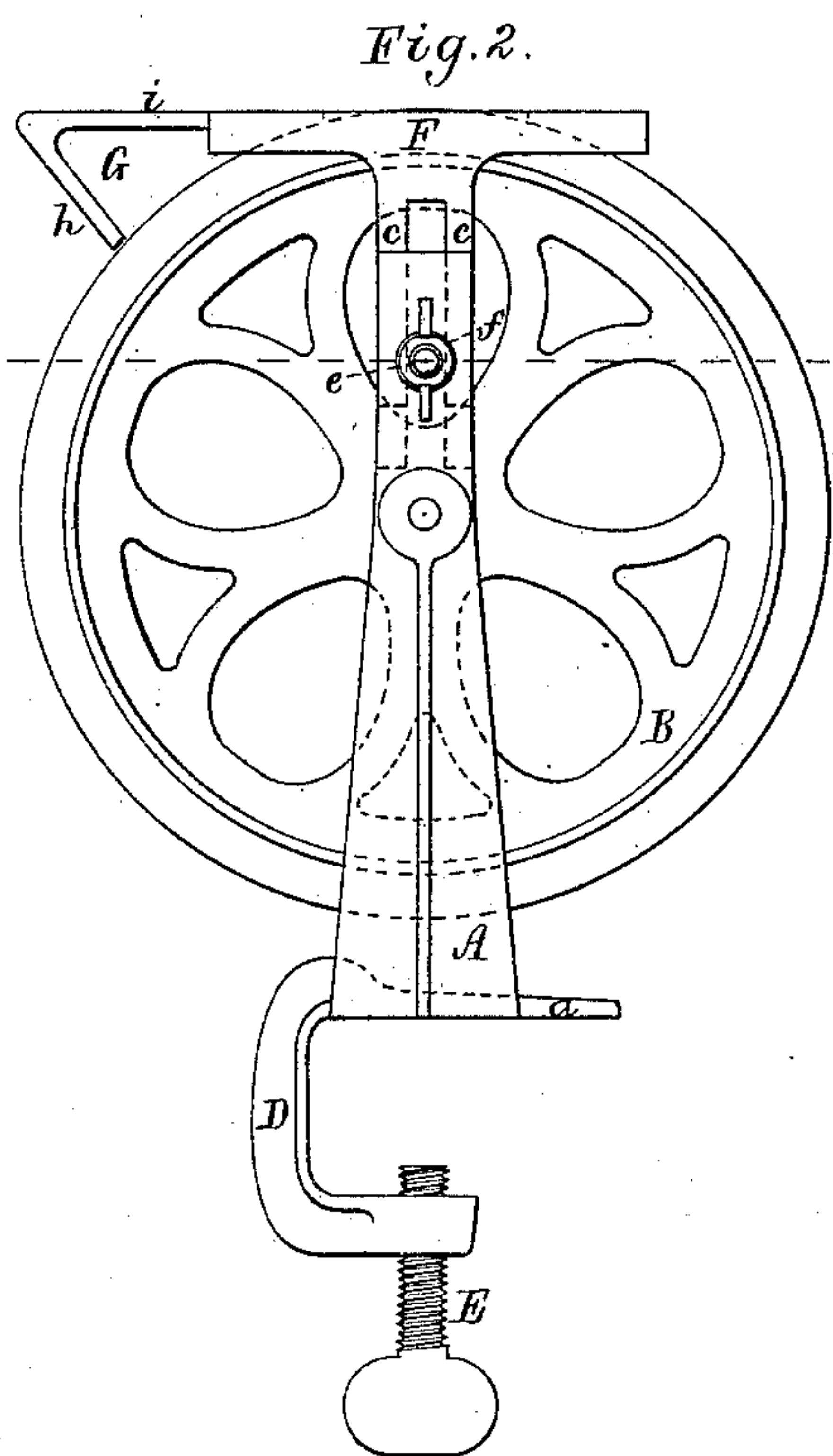


Fig. 2.

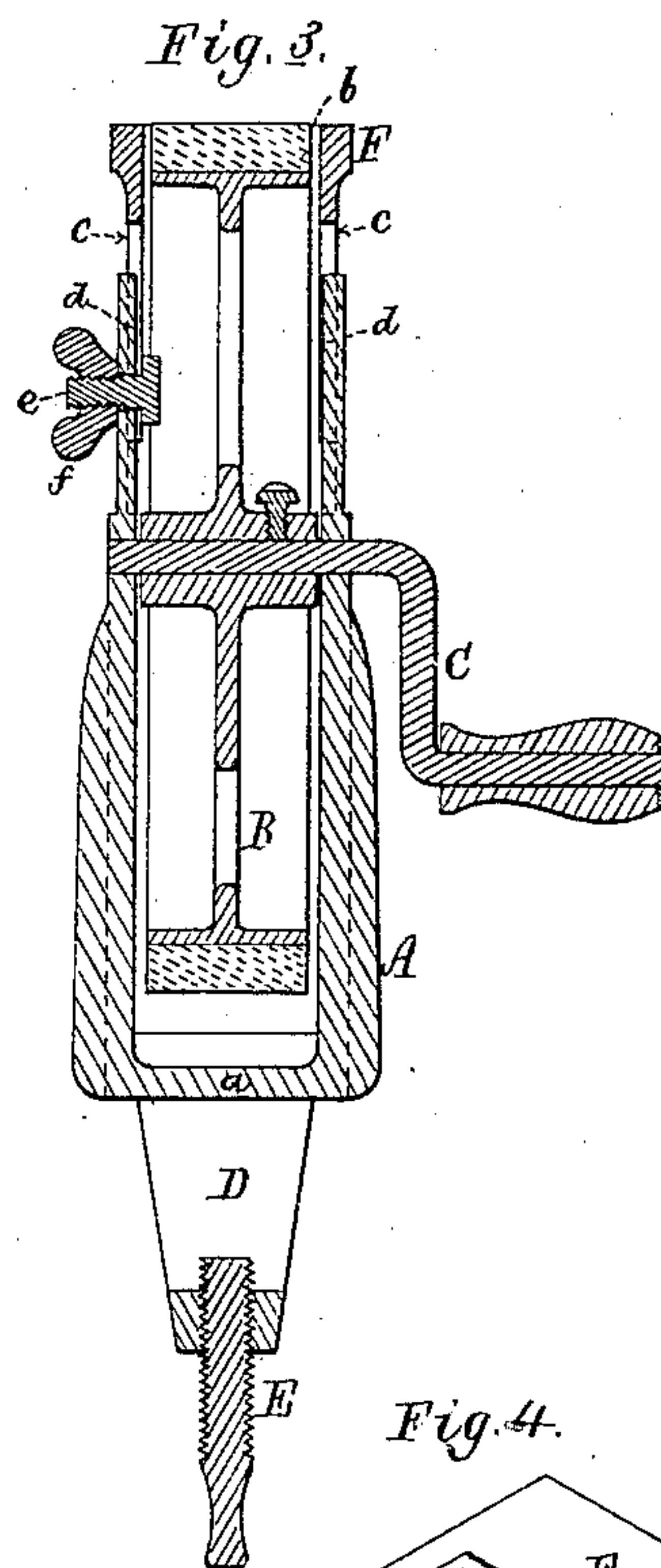


Fig. 3.

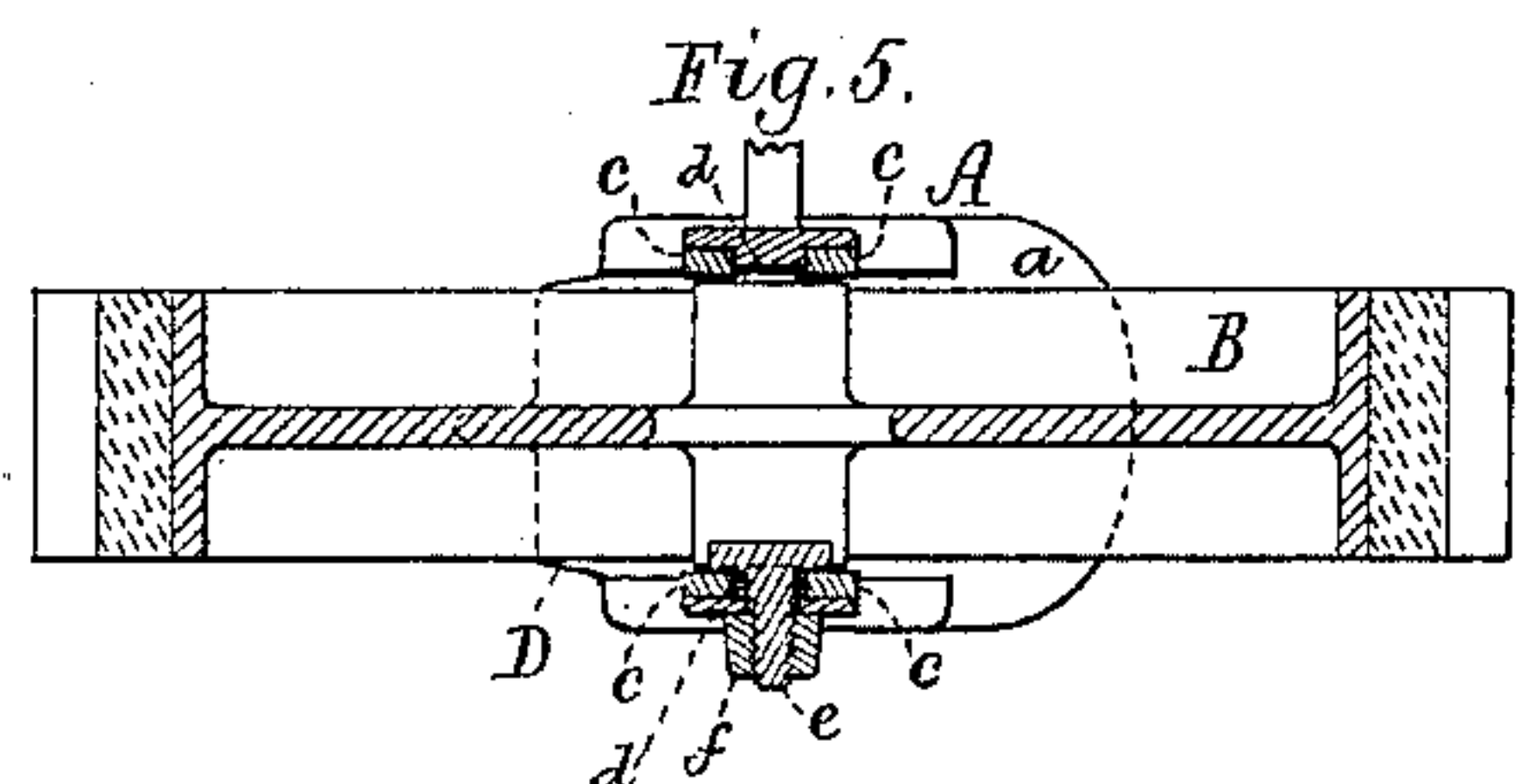


Fig. 5.

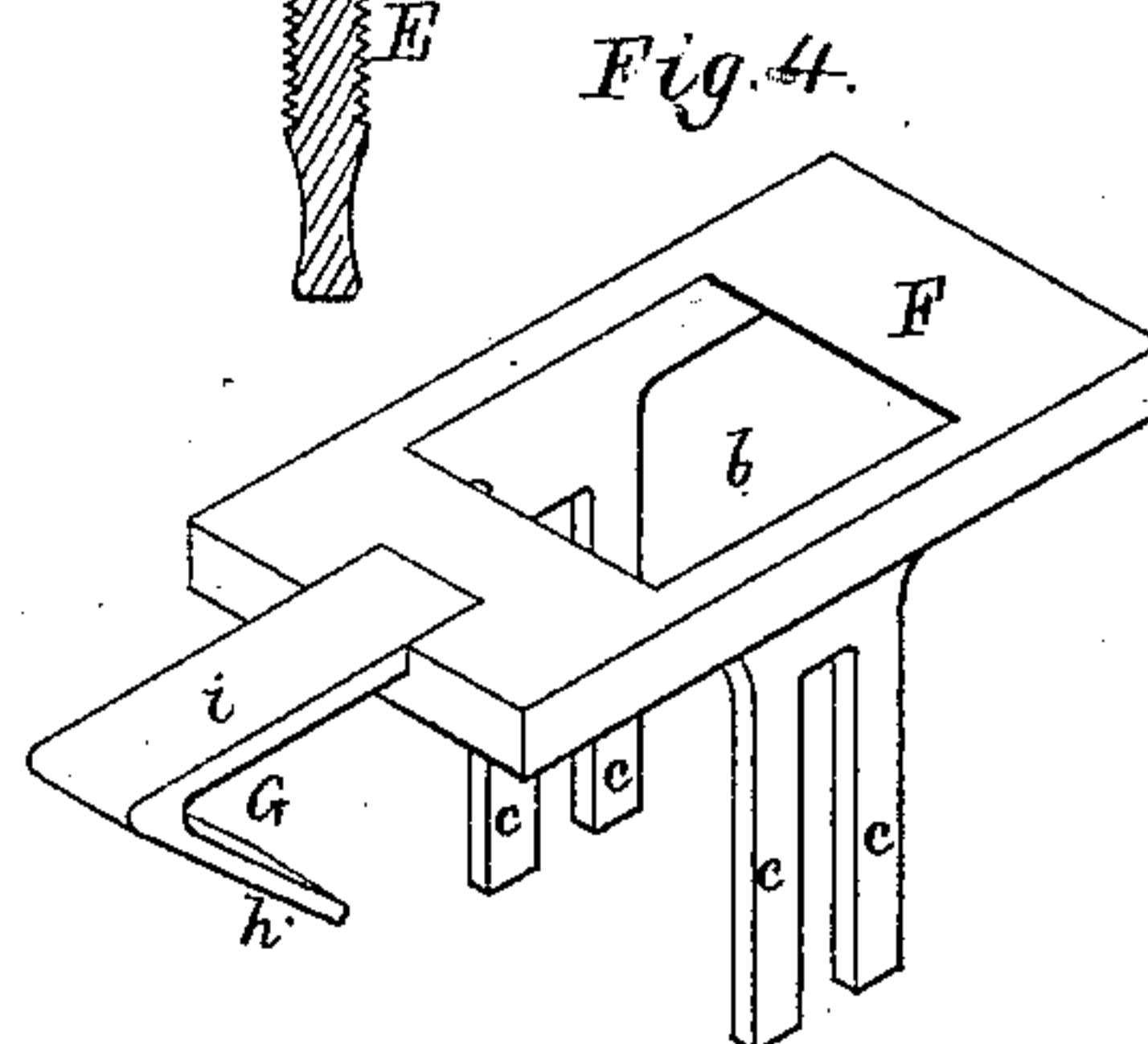


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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MECHANISM FOR GRINDING CUTLERY.

SPECIFICATION forming part of Letters Patent No. 354,447, dated December 14, 1886.

Application filed May 3, 1886. Serial No. 200,951. (No model.)

To all whom it may concern:

Be it known that I, CHARLES EDWIN STEVENS, of Northampton, in the county of Hampshire, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Mechanism for Sharpening or Grinding Cutlery; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a transverse and median section, of mechanism containing my invention, the nature of which is defined in the claim hereinafter presented. Fig. 4 is a perspective view of the adjustable rest, hereinafter described, while Fig. 5 is a horizontal section taken through its furcated projections and the tongues grasped thereby.

In such drawings, A denotes a stand having arranged within and pivoted to it a grinding-wheel, B, provided with a crank, C, for revolving it. Such stand also is provided with a curved arm, D, extending, as represented, downwardly from its base *a*, a clamp-screw, E, being screwed vertically through such arm, the said clamp screw, arm, and base being for fastening the stand to a bench or table top.

Above the grinding-wheel is an adjustable rest or table, F, which is slotted, as shown at *b*, for the wheel to extend up through it or to its upper surface. This rest is applied to the stand A so as to be adjustable vertically therein, or relatively to the wheel, the rest being provided with furcated projections *c*, to grasp and slide on tongues *d*, extending inwardly from the stand.

If desirable, there may be a clamp-screw, *e*, to go through one of the furcated projections and the stand, and to have applied to it (the said screw) a set-nut, *f*, the said screw and nut being to fasten the rest in place after adjustment of it in altitude.

The rest is made adjustable relatively to the wheel to accommodate it thereto, as such wheel may become worn down or reduced in diameter by use.

From one end of the rest there projects, as shown, an arm, G, a part, *h*, of which stands at an acute angle with the other or upper part, *i*. This arm is to support and guide the blade of shears or of a scissors while being ground or sharpened by the wheel, such blade being supported against the inner surface of the part *h* while the cutting-edge of such blade is in contact with the periphery of the grinding-wheel.

The rest or table F is to sustain a knife, scythe, or article of cutlery while being ground by the wheel.

I claim—

The combination, with the grinding-wheel, its supporting-stand, and the slotted adjustable rest applied to the latter, as described, of the arm G, extending from such rest in the plane of its upper surface, and thence downwardly at an acute angle toward the periphery of the wheel, substantially as set forth.

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Witnesses:

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