

(No Model.)

F. F. IDE.

ADJUSTABLE FILING BLOCK.

No. 335,930.

Patented Feb. 9, 1886.

Fig. 1.

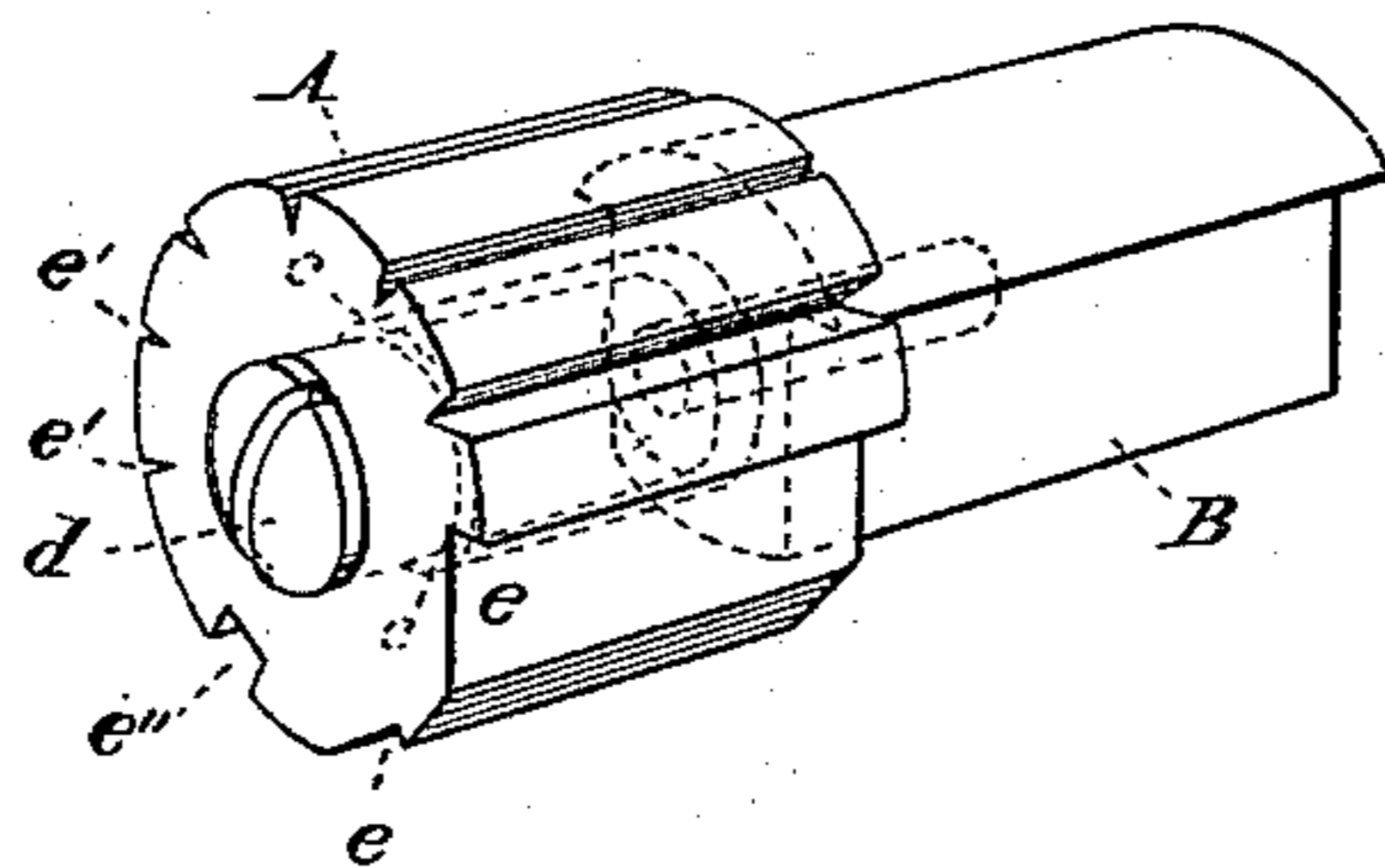
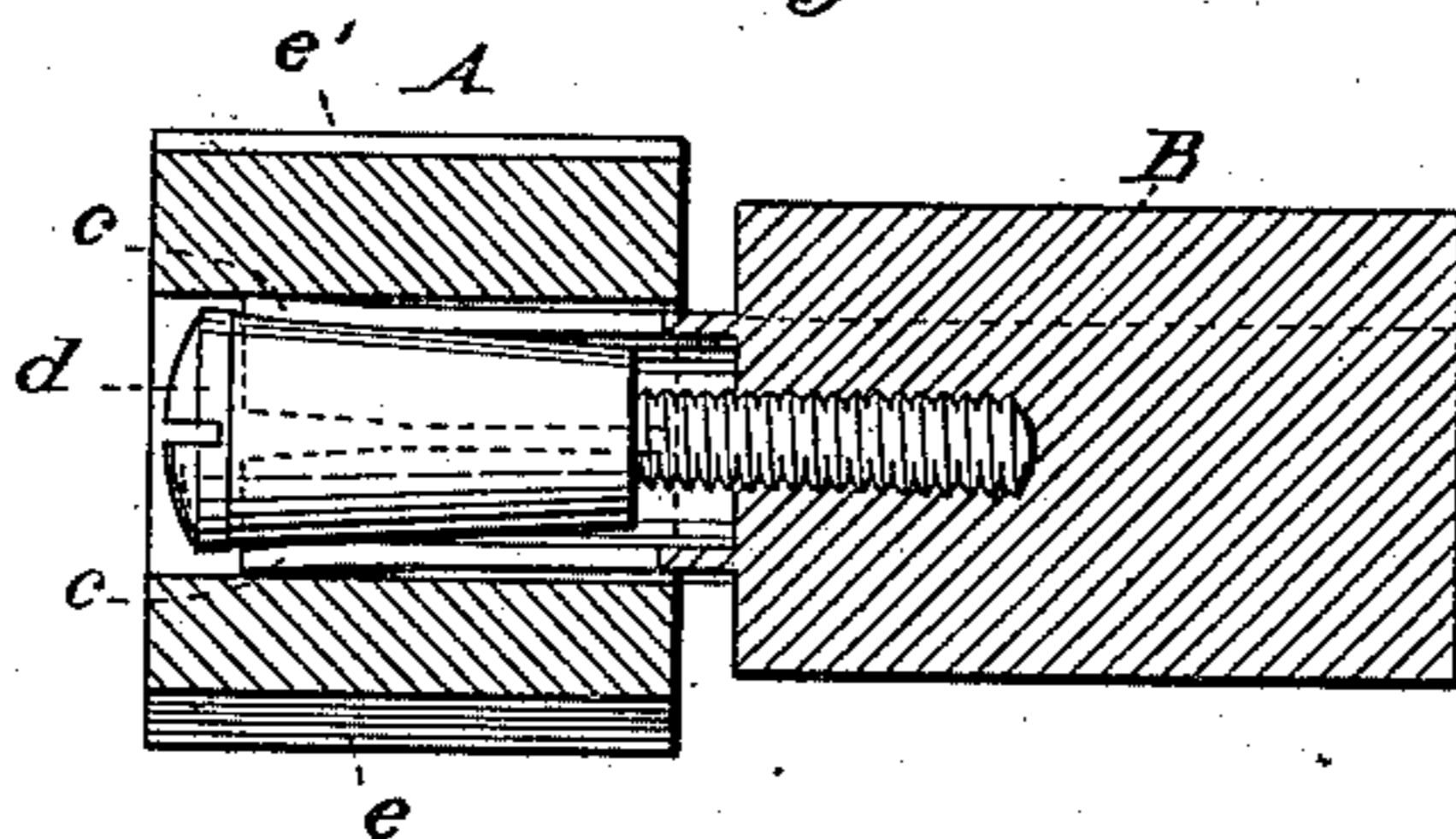


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## ADJUSTABLE FILING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 335,930, dated February 9, 1886.

Application filed April 7, 1885. Serial No. 161,427. (No model.)

*To all whom it may concern:*

Be it known that I, FERDINAND F. IDE, a citizen of the United States, residing at Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Adjustable Filing-Blocks; and I do 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 or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a perspective view. Fig. 2 is a vertical longitudinal section.

The object of this invention is to provide an adjustable bearing for the use of watch-makers, dentists, and others, to facilitate filing and finishing small articles; and the invention consists in the construction and novel arrangement of devices, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates the adjustable bearing, which is cylindrical in form, and is pivoted to a binder piece or holding attachment, which may be secured in a vise. In the construction illustrated, the binder B is formed with lips *c c*, and possesses some elasticity in the part which surrounds the pivot *d*, this elastic bearing being governed by the strong lips *c c* in such a manner that when they are fully separated the pivot of the rotary rest A will be free to turn, but when pressed toward each other, as by the action of a vise, they will cause the binder to close on the pivot, holding it firmly and preventing the rest A from turning. This holding device may be made in other forms. For instance, the pivot may be long enough to allow the holder to slide a little thereon, and the holder may have a stud adapted to engage one of a series of catch-recesses made in the end of the cylinder-bearing, a spring being employed to hold the parts in engagement. In adjusting under this construction the parts are separated on the pivot sufficiently to effect a disengagement of the stud. The cylinder-rest is then turned to the desired position, and the spring, forcing it toward the holder, causes the stud to become again engaged.

The filing rest or bearing A is of cylindrical form, and is made of hardened steel, so that

the teeth of a file will slip on its surface when casually touching the same, and in this manner injury to the file will be avoided as well as injury to the filing-block A. In the peripheral surface of the filing-cylinder are made the longitudinal groove-bearings *e e'*, which vary in sectional contour to suit different forms of work. In the construction illustrated shelving groove-bearings are shown at *e*, V-shaped grooves at *e'*, and a square or rectangular groove at *e''*. These forms may, however, be varied at will without departing from the invention.

In using the filing-block place the lips of the holding part in a vise, and turn the jaws up lightly. Then revolve the filing-block until the proper groove-bearing for the work in hand is presented in convenient position for use, either in filing, stoning, or buffing. In order to secure the rest or block A firmly in position, the jaws of the vise are to be turned up tightly, compressing the lips, and securing the arbor of the block firmly in the holder or binder.

The work, being held in a slide or pin vise, is allowed to rest in the groove-bearing of the block, and may then be conveniently operated upon. Revolve the work with the left hand if a round finish is desired.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. A cylindrical or round filing-block having peripheral longitudinal groove-bearings of varied sectional contour, in combination with an elastic bearing, substantially as specified.

2. A cylindrical or round filing-block adapted to turn and be adjusted on an elastic bearing, the same consisting of a slotted cylinder and a conical plug, substantially as specified.

3. A cylindrical or round adjustable filing-block having peripheral longitudinal groove-bearings, and a pivot in engagement with an elastic binder having lips governing the pivot-bearing, and adapted to engage the jaws of a vise, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

FERDINAND F. IDE.

Witnesses:

J. H. WILLIAMS,  
JOHN H. BURNS,