

(No Model.)

H. F. CASE.

TOOL HANDLE AND EXTENSION BLADE.

No. 272,944.

Patented Feb. 27, 1883.

Fig. 1.

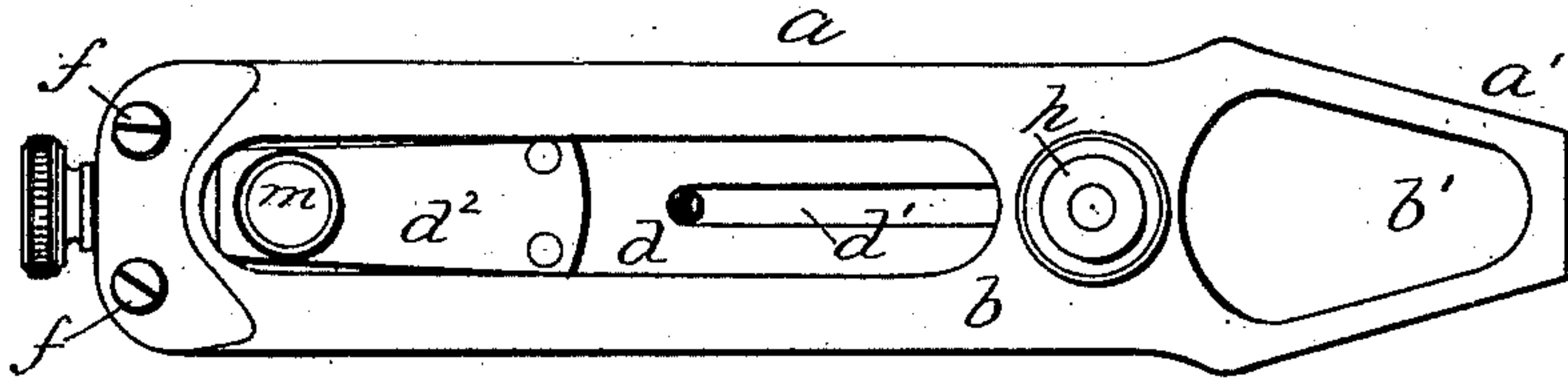


Fig. 2.

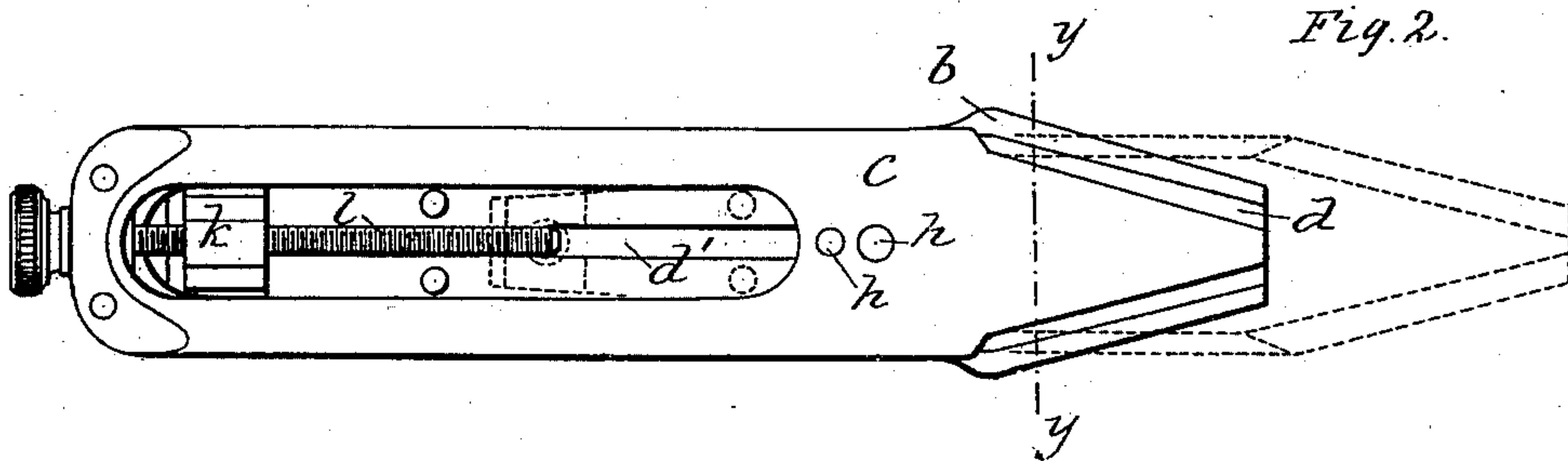


Fig. 3.

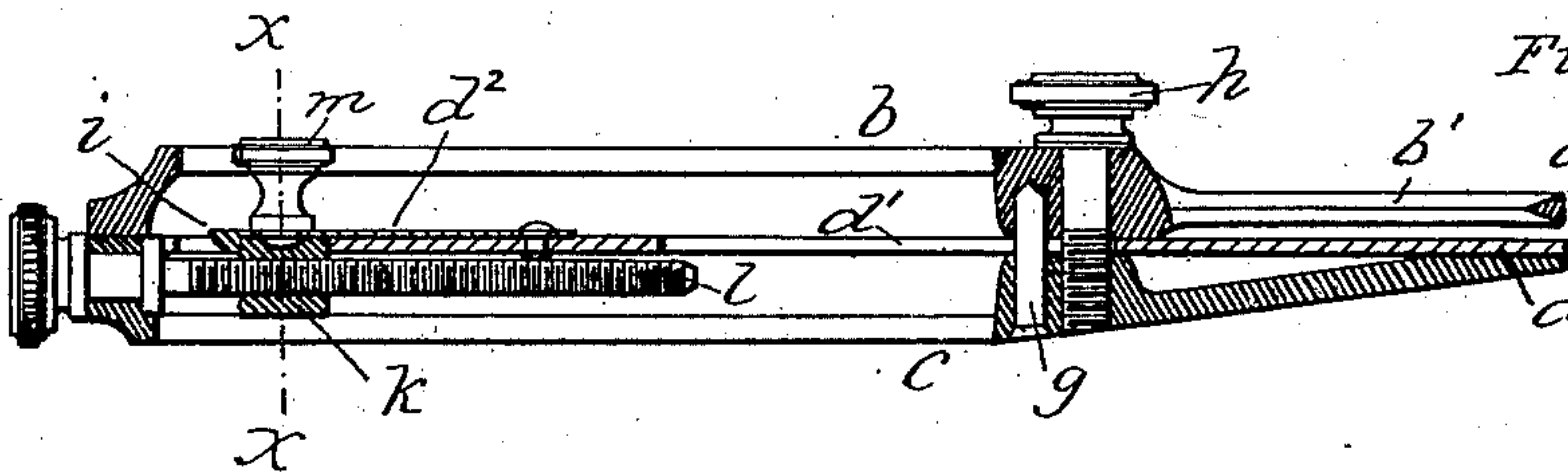


Fig. 4.

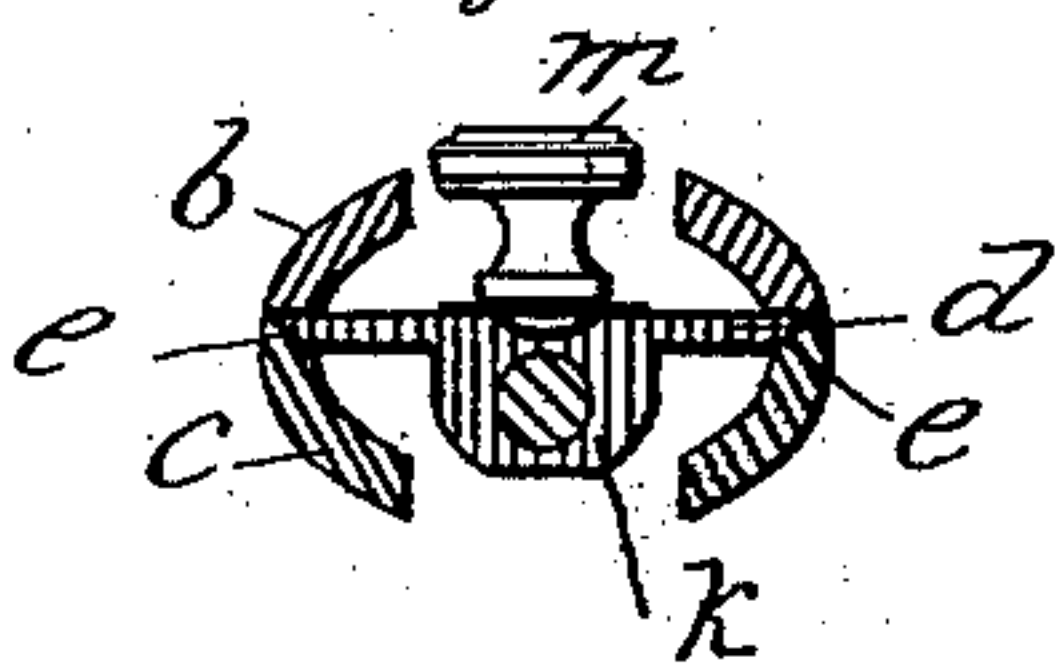


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY F. CASE, OF SOUTH MANCHESTER, CONNECTICUT.

TOOL-HANDLE AND EXTENSION-BLADE.

SPECIFICATION forming part of Letters Patent No. 272,944, dated February 27, 1883.

Application filed October 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. CASE, of South Manchester, in the county of Hartford and State of Connecticut, have invented a certain new and useful Improvement in Draw-Shaves, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a top view of my device. Fig. 2 is a bottom view of same. Fig. 3 is a view in central vertical longitudinal section. Fig. 4 is a view in cross-section on line *xx* of Fig. 3. Fig. 5 is a view in cross-section on line *yy* of Fig. 2.

My invention relates to the class of tools known as "draw-shaves;" and it consists in making the tool so that it can be used in one hand; in providing an adjustable double-edged blade; in the peculiar shape of the nose of the tool and blade, by means of which hitherto difficult corners of involved patterns and the like can be readily reached and worked down, and in other details of the device, hereinafter more especially described.

In the accompanying drawings, the letter *a* denotes the stock or frame of the tool, preferably of cast metal, and made in two parts—body-half *b* and body-half *c*—shaped and rounded to be readily grasped in the hand. One end of the tool—the nose *a'*—is tapered on bottom and sides to a section substantially triangular at the point, which is blunt. The blade *d* is made of a flat piece of tool-steel, with sides fitted to the socket *e* in the stock, and drawn to a blunt point, with suitably-beveled cutting-edges. The blade fits quite closely to the lower body-half at the nose; but there is a space above and between it and the upper body-half which is cut away, as at *b'*, for the free passage of chips and shavings. The body-halves are held together by screws *f* at the rear end and by the dowel *g* and the clamp-screw *h* near the front end. The dowel and clamp-screw pass through the central slot, *d'*, in the blade, which has fast to its rear end a spring-catch, *d²*, having a hook, *i*, adapted to

catch back of the nut *k* and hold it between the rear end of the blade and the hook. The nut *k* travels on the screw-rod *l*, which is rotarily secured to the rear end of the handle, preferably by the collars at each end of the socket, as shown in Fig. 3. By means of the milled head on its rear end the rod is rotated and the blade adjusted to any desired position longitudinally, where it may be firmly held by clamping it between the body-halves by means of the clamp-screw *h*.

The blade may be extended rapidly to full limit of its outward play, as determined by the slot and dowel, by lifting the catch from the nut, as by the knob *m*, and sliding it out, as shown in dotted lines in Fig. 2. In this position the blade may be sharpened or used chiselwise.

I claim as my invention—

1. In combination, a tool handle or stock bearing a blade longitudinally adjustable by means of a screw-rod rotarily secured to the stock, and a clamp-screw, whereby the blade is held in place when protruded from the end of the handle, all substantially as described.

2. In combination, stock *a*, bluntly pointed at one end, longitudinally-adjustable blade *d*, having slot *d'* and bearing spring-catch *d²*, nut *k*, and screw-rod *l*, all substantially as described.

3. In combination, body-half *c*, body-half *b*, having opening *b'*, blade *d*, bearing spring-catch *d²*, with hook *i*, rotary screw-rod *l*, nut *k*, and means for fastening the body-halves together, all substantially as described, and for the purpose set forth.

4. In combination, body-half *b*, having opening *b'*, body-half *c*, blade *d*, having slot *d'* and bearing spring-catch *d²*, with hook *i*, clamp-screw *h*, rotary screw-rod *l*, nut *k*, and means for fastening the body-halves together, all substantially as described.

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Witnesses:

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