

(No Model.)

W. I. TURNER.  
PENCIL SHARPENER.

No. 535,644.

Patented Mar. 12, 1895.

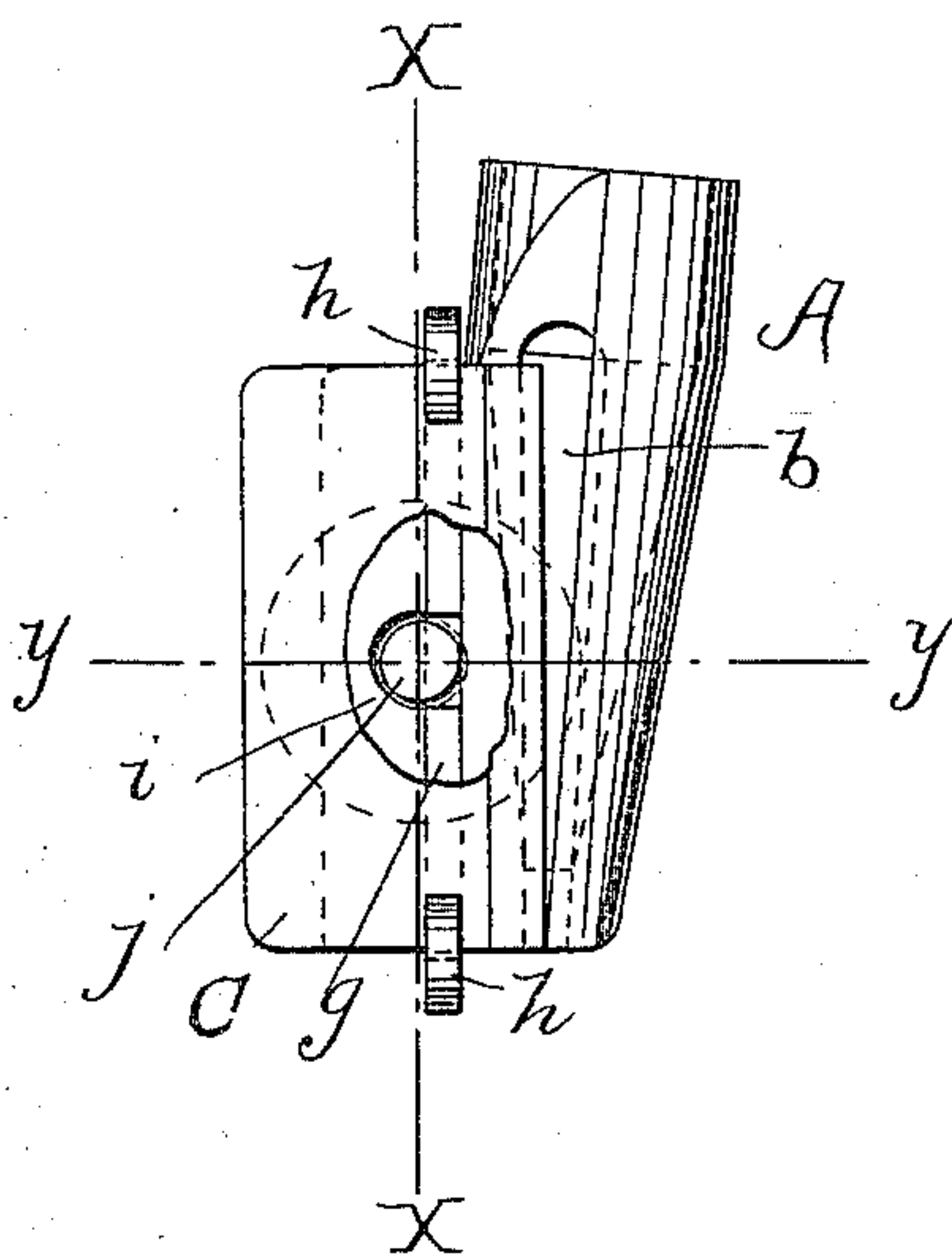


Fig. 1.

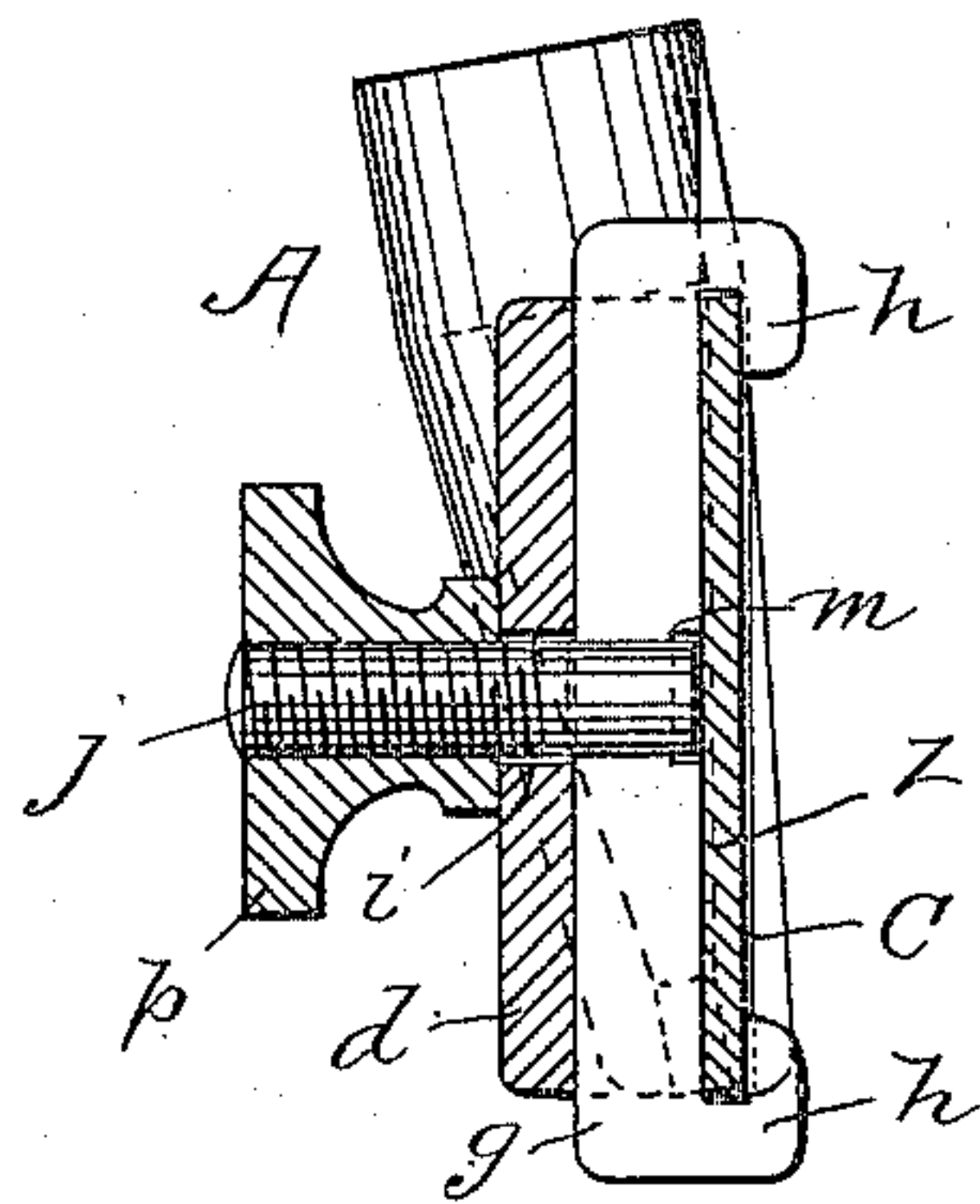


Fig. 2.

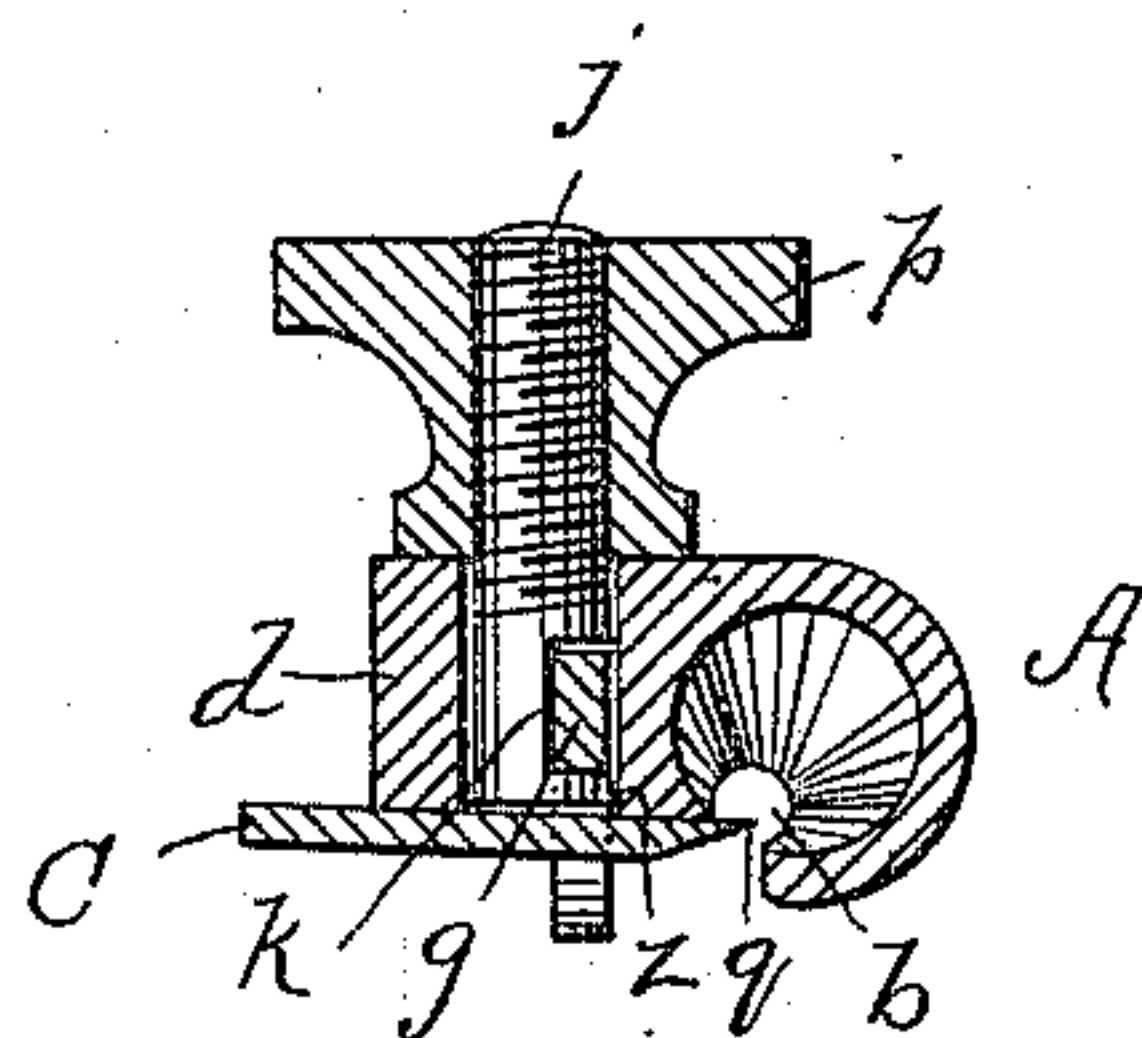


Fig. 3.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

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## PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 535,644, dated March 12, 1895.

Application filed January 4, 1894. Serial No. 495,622. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM I. TURNER, of Jamaica Plain, in the county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Pencil-Sharpeners, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved pencil sharpener the cutting-blade being represented as broken away to show the clamping mechanism; Fig. 2, a longitudinal section taken on line *x, x*, in Fig. 1; and Fig. 3, a transverse section taken on line *y, y*, in Fig. 1.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to sharpeners for pointing or sharpening lead-pencils; and it consists in certain novel features hereinafter fully set forth and claimed, the object being to produce a simple, cheap and effective device whereby the cutting blade of said sharpeners may be easily adjusted or detached for resharpening.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation:

In the drawings, A represents the body of the sharpener which is substantially in the form of a hollow cone, and is slotted vertically at, *b*, in the usual manner of sharpeners of this class. Formed integral with said body there is a laterally projecting lug, *d*, the face of said lug registering with the slot, *b*. Said face is grooved longitudinally at, *z*, to receive a clamping bar, *g*. The bar, *g*, has vertically hooked ends, *h*, which project over the face of the lug. Centrally the lug is tapped at, *i*, in the bottom of the groove, *d*,

and a screw-bolt, *j*, is disposed in said opening. The head of the bolt is notched at, *k*, (see Fig. 3) and embraces the bar, *g*, centrally, said bar being reduced at, *m*, to enter said notch. A thumb-nut, *p*, is turned onto the bolt, *j*, and butts against the lower face of the lug. The cutter-blade, C, rests on the upper face of the lug with its cutting edge, *q*, projecting into the slot, *b*, as shown in Fig. 3. The ends, *h*, of the clamping-bar overlap said blade. By turning up the nut, *p*, on the bolt the bar can be drawn to clamp said blade firmly against the face of the lug whereby the cut may be adjusted at will or the blade removed for sharpening in a manner which will be readily understood without a more explicit description.

In many of the pencil sharpeners in ordinary use the cutter-blade is narrow and is rigidly fixed in a slot or groove in the body. These blades it is impracticable to sharpen even were it possible to readily remove them. The construction of the body does not admit of their being adjusted.

In my improvement a blade of appreciable size can be employed and is quickly and readily adjusted the device being more durable than many of the ordinary constructions.

The manner of using the sharpener is the same as any of the well-known forms the pencil being inserted in the body and rotated against the cutting-edge, *q*, shaping the point to conform with the interior of said body.

Having thus explained my invention, what I claim is—

In a pencil-sharpener the conical body provided with the slot, *b*, and laterally projecting lug, *d*, in combination with the hooked bar, *g*, disposed in said lug; the notched bolt, *j*, engaging said bar; a nut on said bolt and the blade, C, adjustably held by said bar.

WILLIAM I. TURNER.

Witnesses:

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K. DUFFEE.