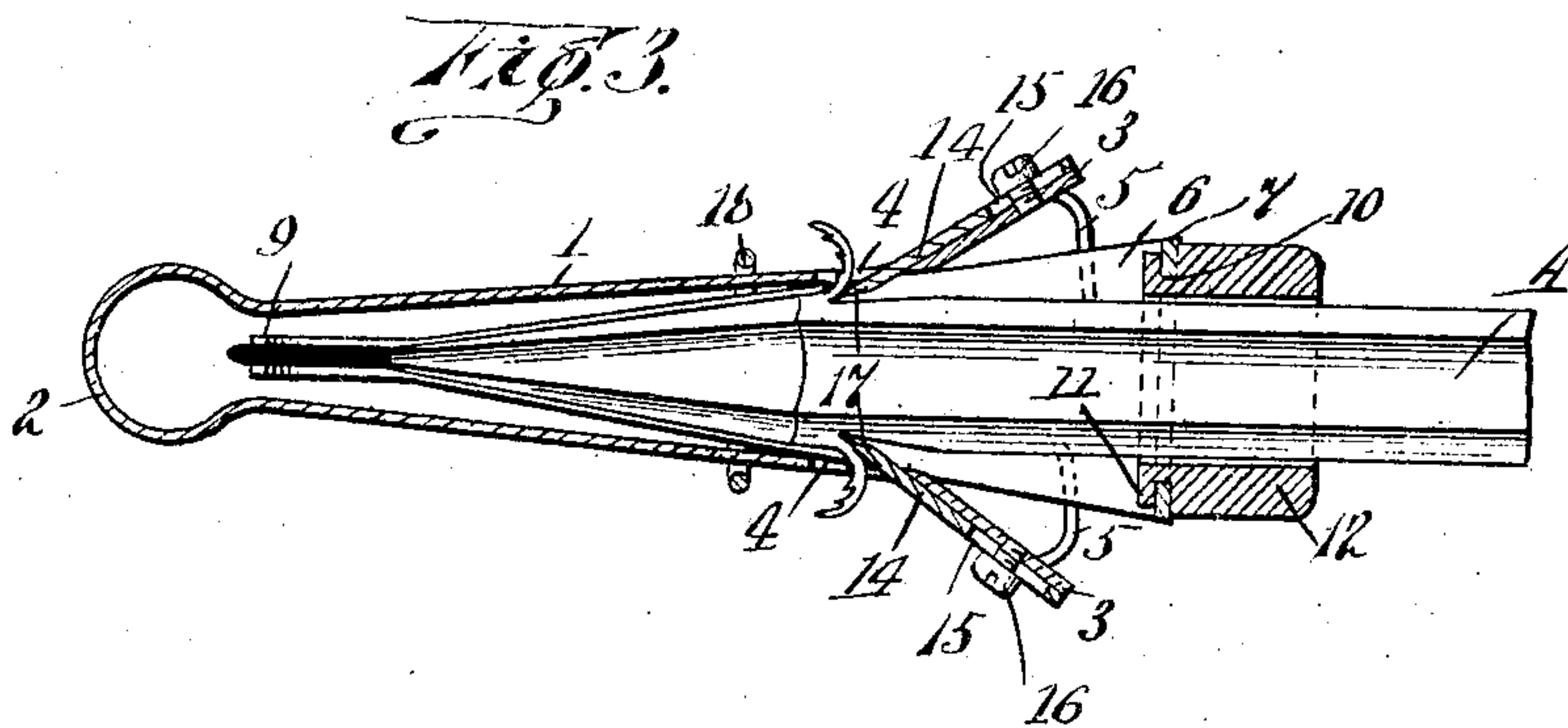
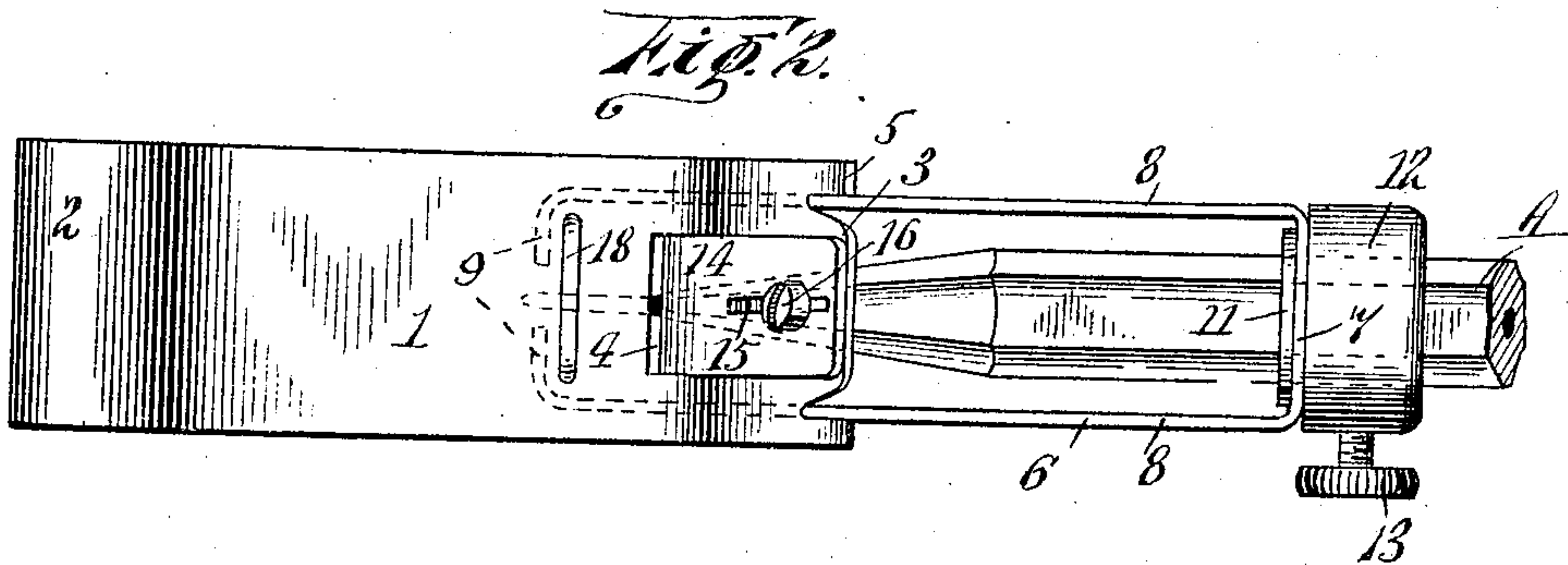
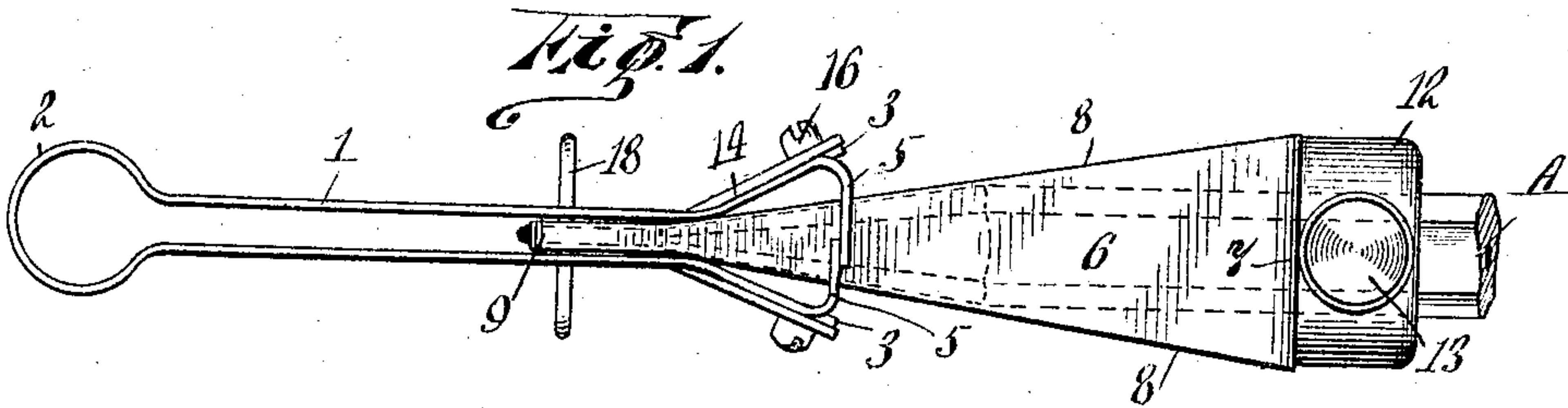


No. 877,357.

PATENTED JAN. 21, 1908.

A. M. MOSLEY.  
PENCIL SHARPENER.  
APPLICATION FILED MAR. 28, 1907.



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# UNITED STATES PATENT OFFICE.

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## PENCIL-SHARPENER.

No. 877,357.

Specification of Letters Patent.

Patented Jan. 21, 1908.

Application filed March 28, 1907. Serial No. 365,189.

*To all whom it may concern:*

Be it known that I, ALFRED MILLETT MOSLEY, a subject of the King of Great Britain, residing at Guelph, county of Wellington, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Pencil-Sharpener; and I do hereby declare that the following is 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.

My invention relates to pencil sharpeners; the object of my invention is to provide a reciprocable means for holding a pencil so that it may be inserted between fixed blades and withdrawn, so that two sides of the pencil may be sharpened simultaneously; a further object is to provide a rotatable means for holding the pencil, so that it may be turned and all of its sides sharpened; a further object is to provide means for adjustably holding the cutting blades of the device; and, my invention consists of the construction, combination and arrangement of parts, as herein illustrated, described and claimed.

In the accompanying drawings, forming part of this application, I have illustrated one form of embodiment of my invention, in which drawings similar reference characters designate corresponding parts, and in which:

Figure 1 is a side elevation, showing the pencil holding means in its fullest withdrawn position; Fig. 2 is a plan view, showing the pencil holding means in its fullest withdrawn position; and, Fig. 3 is a longitudinal section, illustrating the method of operation.

Referring to the drawings, 1 designates the arms of a bowed resilient member 2, the central portion of which is made larger to afford a gripping surface for the fingers of the operator. The free ends of the arms 1 are provided with outwardly bent lips 3, and with blade slots 4 adjacent said lips. On each side the arms 1 at their free ends are provided with inwardly bent guide fingers 5.

Reciprocably disposed between the resilient arms 1, within the guide fingers 5, is a yoke 6, provided with an outer squared end 7 to form a bearing surface for a rotatable pencil gripping member. The yoke 6 has its arms provided with inclined sides 8, adapted to bear against the inner surfaces of the arms 1, and to actuate said arms outwardly when the yoke 6 is inserted between the arms 1, to the position shown in Fig. 3. The yoke 6 is further provided with the inwardly bent fin-

gers 9, projecting from the free ends of its arms.

As best shown in Fig. 3, the squared end 7 of the yoke 6 is provided with an opening 10, through which projects the flange 11 of a collar 12. The flange 11 is bent outwardly, so that the collar 12 is rotatably retained on the seat formed by the squared end 7 of the yoke. Carried by the collar 12 is a set-screw 13, adapted to grip a pencil A, and to hold it firmly within the collar 12.

Carried by the outwardly bent lips 3 of the arms 1, are blades 14, provided with slots 15, adapted to receive set-screws 16, so that the blades 14 may be adjusted through the slots 4, so as to cut the pencil A when it is inserted as shown in Fig. 3. By having the lips 3 bent outwardly, the blades 14 lie flat thereon, and lie at an easy cutting angle with relation to the wood of the pencil A, the blades being provided with beveled cutting edges 17 at their inner ends. This construction also permits the ready removal of the blades for the purpose of renewal, sharpening, and so forth.

When the pencil guiding means is inserted between the resilient arms 1, the movement of the arms outward is limited by means of a link 18, which is disposed through the arms 1. The fingers 9 of the pencil holding yoke 6 contact with the link 18 when the pencil gripping means is in its withdrawn position, so that movement of the yoke 6 is limited in one direction, and the parts held together.

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

1. A pencil sharpening device comprising a bowed resilient member, inwardly projecting blades fixed on the arms of the resilient member, and longitudinally reciprocable means for guiding a pencil between the blades.

2. A pencil sharpening device comprising a bowed resilient member, inwardly projecting blades fixed on the arms of the resilient member, and rotatably and longitudinally reciprocable means for guiding a pencil between the blades.

3. A pencil sharpening device comprising a bowed resilient member, inwardly projecting blades fixed on the arms of the resilient member, and means for guiding a pencil between the blades and simultaneously actuating the blades away from each other.

4. A pencil sharpening device comprising