

No. 819,745.

PATENTED MAY 8, 1906.

A. FLEMING.
SAW SET.
APPLICATION FILED NOV. 1, 1904.

Fig. 1.

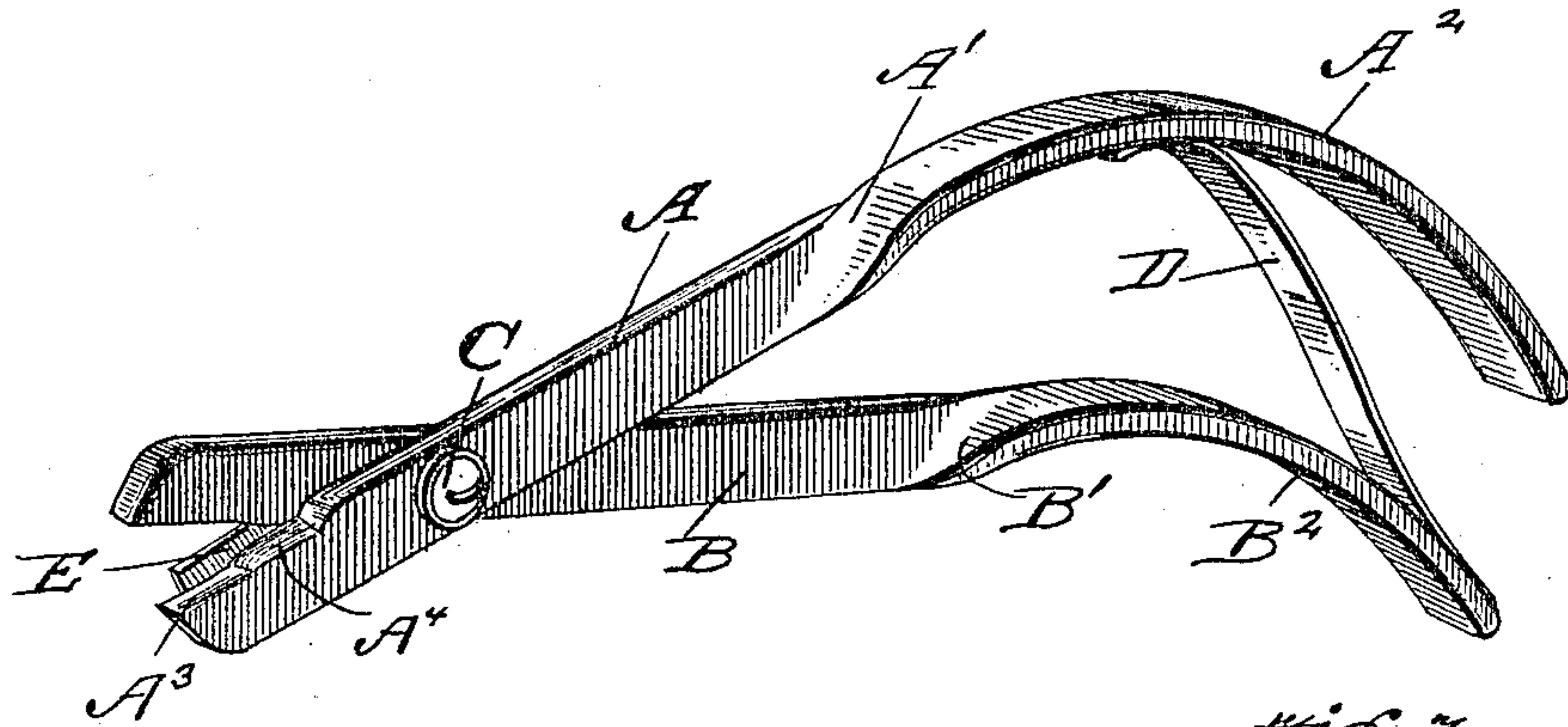


Fig. 2.

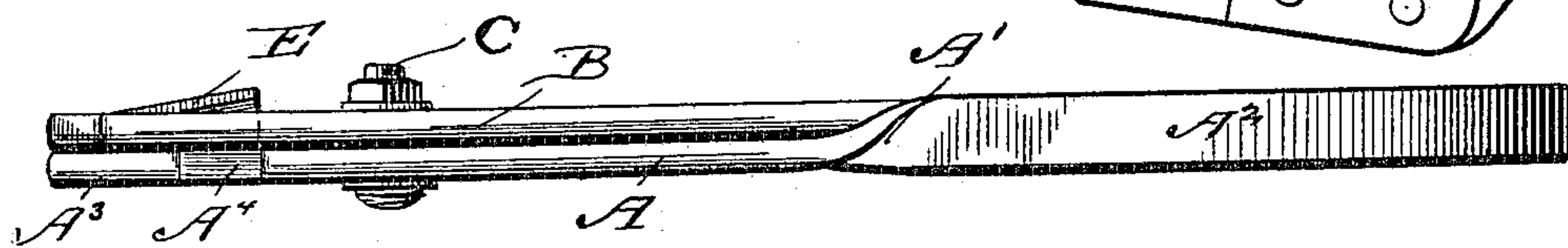


Fig. 3.

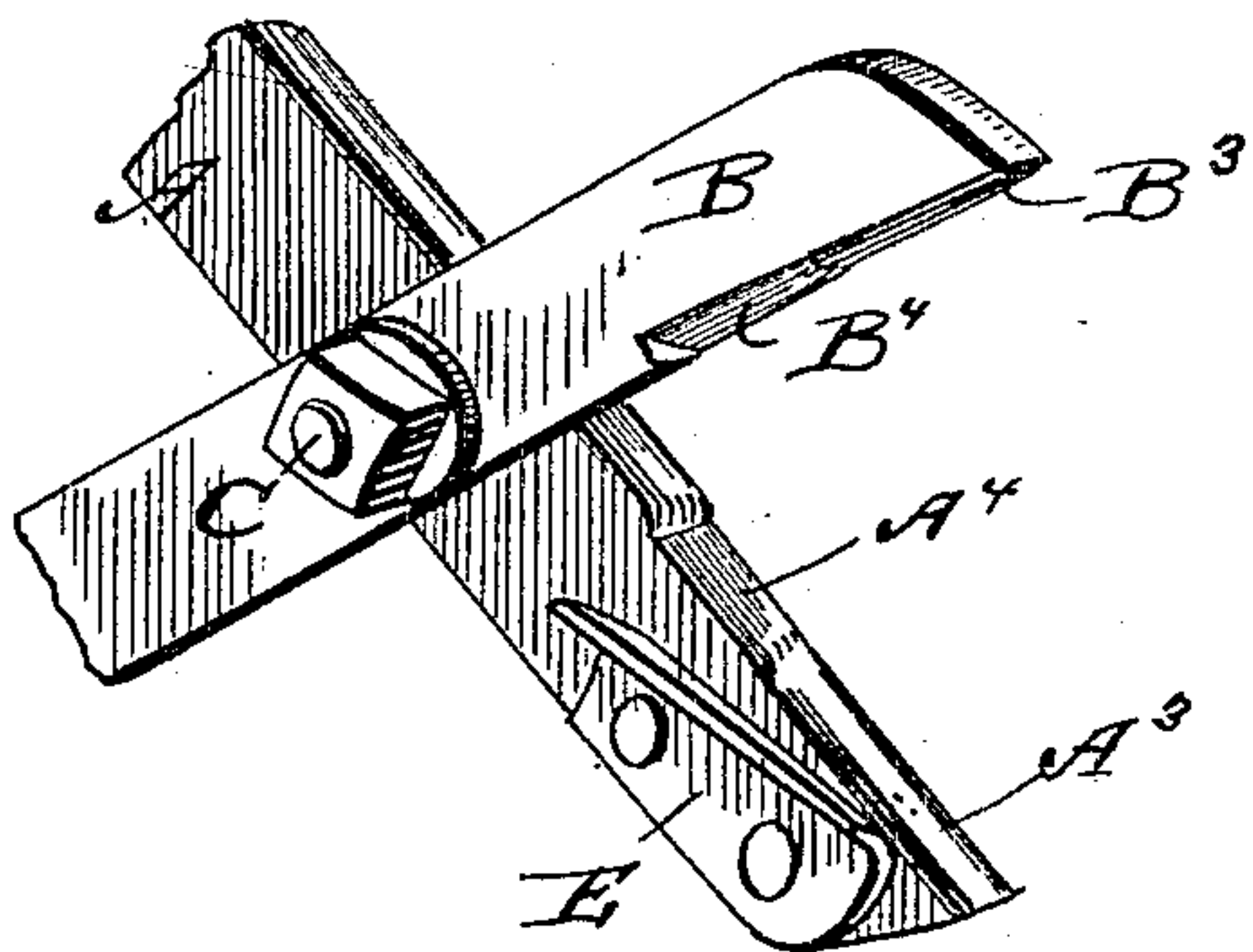


Fig. 5.

Fig. 6.

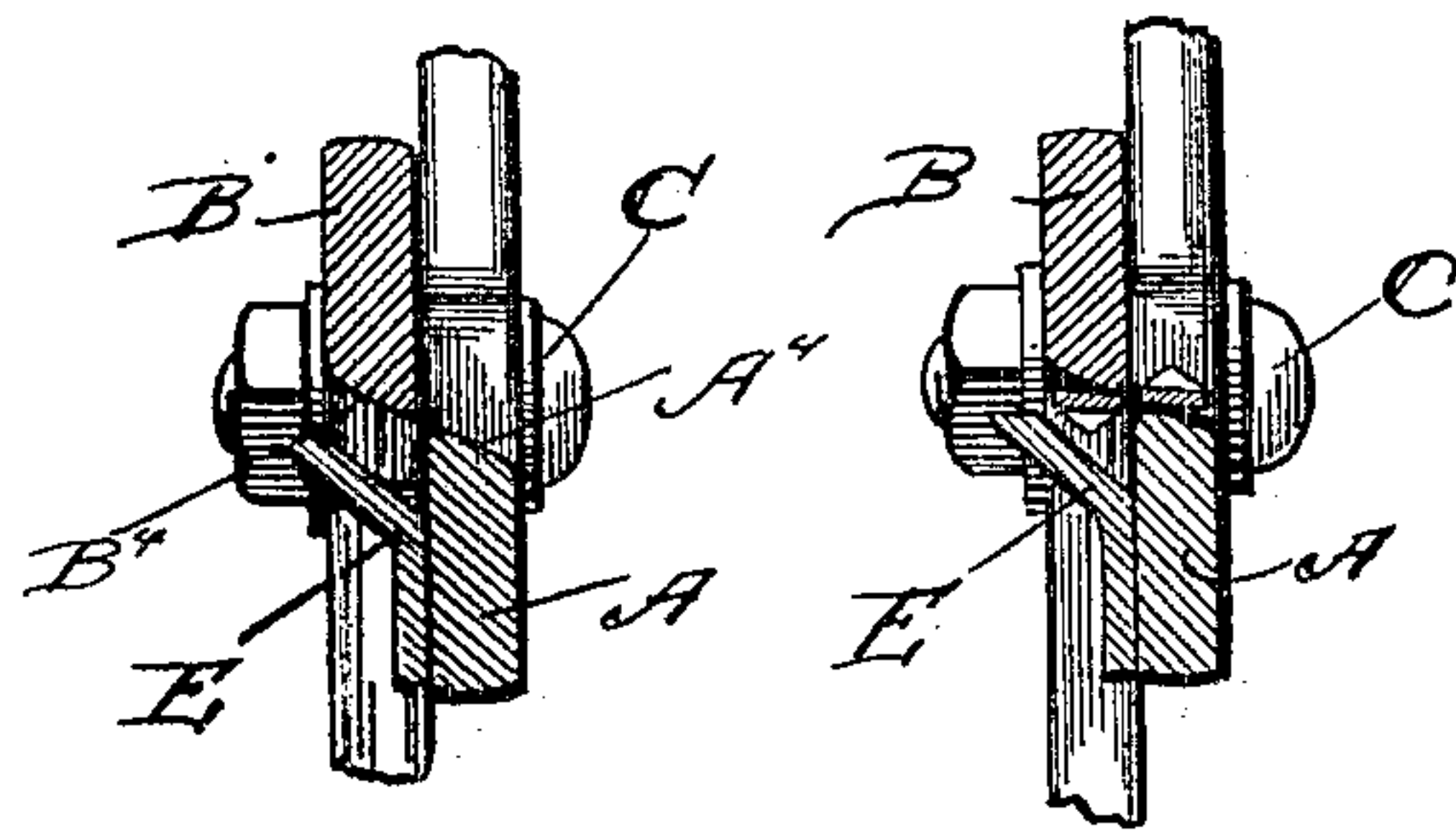
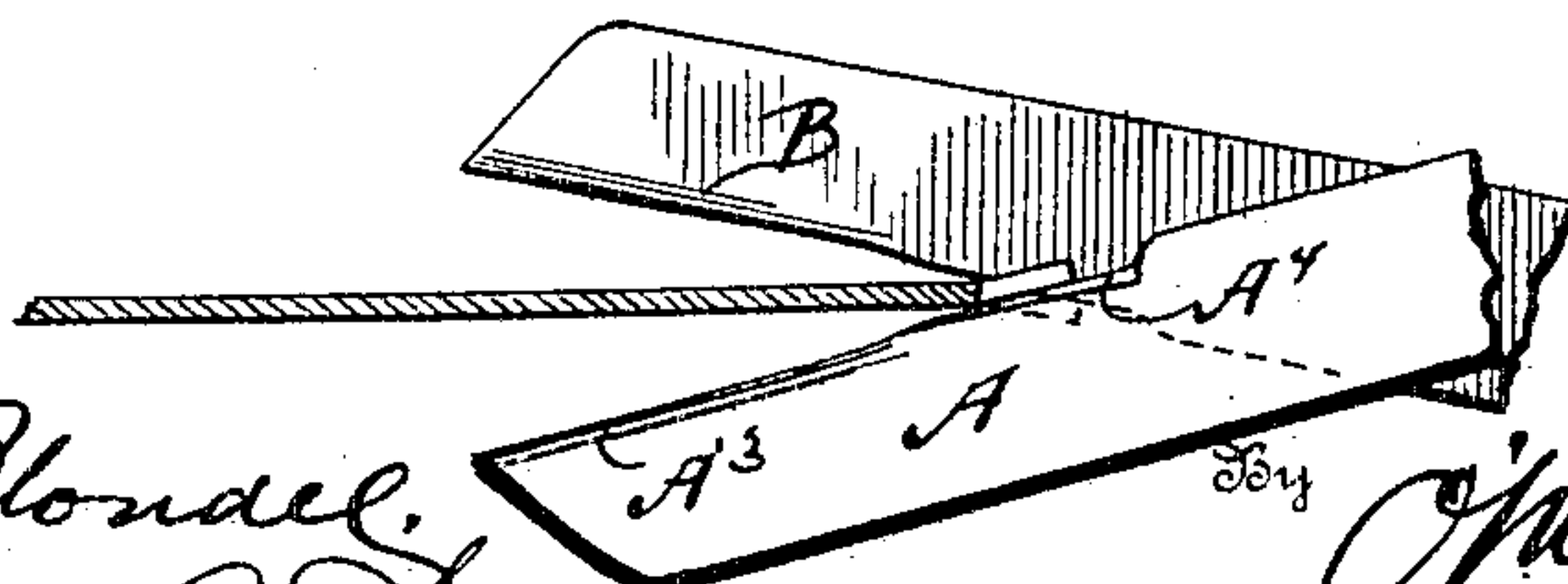


Fig. 4.



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SAW-SET.

No. 819,745.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed November 1, 1904. Serial No. 230,959.

To all whom it may concern:

Be it known that I, ALEXANDER FLEMING, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented a new and useful Saw-Set, of which the following is a specification.

This invention is an improved construction of saw-setting-tool, the object being to provide an exceedingly cheap and simple construction of hand tool by means of which the teeth of a saw can be quickly and easily set.

Another object of the invention is to provide a gage in connection with the setting-tool by means of which the amount of inclination given to the tooth can be regulated.

With these objects in view the invention consists in the novel features of construction hereinafter fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of a saw-set constructed in accordance with my invention. Fig. 2 is a top plan view of the same. Fig. 3 is an enlarged detail perspective view of the forward ends of the blades. Fig. 4 is a detail side elevation illustrating the operation of the device, and Figs. 5 and 6 are transverse section views illustrating the operation of the device.

In constructing the saw-set in accordance with my invention I employ two blades A and B, pivotally connected adjacent their forward ends by means of a bolt C. Some distance to the rear of the pivot each blade is twisted, as shown at A' and B', and curved, as shown at A² and B², providing suitable handles, and the handle A² is provided with a spring D, which normally bears upon the handle B² for the purpose of keeping the handles separated and also the jaws or forward portions of the blades. The extreme ends of the jaws are flat, as indicated at A³ and B³, and between the flat portions A³ and B³ and the pivotal point the opposing faces or edges of the jaws are beveled, as shown at A⁴ and B⁴, the bevel A⁴ extending from the inner edge upwardly and the bevel B⁴ extending

from the inner edge downwardly. This bevel portion on each jaw is of varying degree, being greatest toward the rear end, the purpose of making the bevel portions of varying degree being to enable the tool to be used for setting different-sized saws.

A plate E is riveted upon the jaw A adjacent its forward end and upon its inner face, and the said plate is longitudinally curved or flanged outwardly and upwardly, the said flange being rearwardly divergent from the jaw A, whereby a wedge-shaped recess is formed between the inner face of the flange and the jaw A, the upper surface of the flange being substantially in the plane of the beveled portion of the jaw A. The jaw B is limited in its closing movement by the plate E, and when a saw-tooth is being set the flange of the plate will bear upon the under side of the saw adjacent the tooth being set and will serve to support and steady the saw, as well as to limit movement of the jaw B relative to the jaw A.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of saw-set capable of operating in the manner described and for the purpose set forth.

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

1. A saw-set comprising two blades pivotally connected said blades having a portion of their opposing faces beveled in cross-section, and a guide-flange carried by one of said blades and adapted to limit the closing movement of the other blade.

2. A saw-set comprising two pivoted blades having coacting beveled faces, and a guide-flange carried by the inner side of one blade, said flange diverging upwardly and outwardly from the said blade and forming a seat and stop for the other blade.

ALEXANDER FLEMING.

Witnesses:

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