

No. 804,011.

PATENTED NOV. 7, 1905.

H. KERN.
RULING PEN.

APPLICATION FILED JUNE 19, 1905.

Fig. 1.

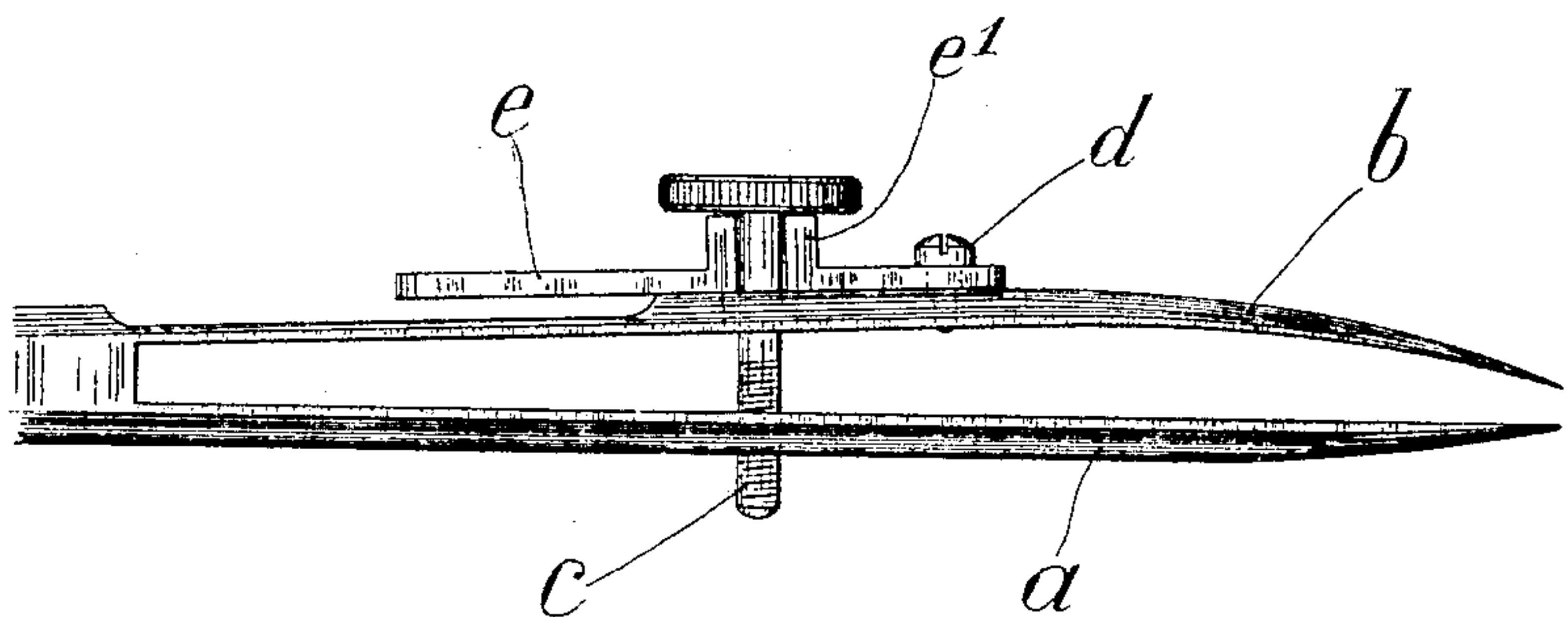
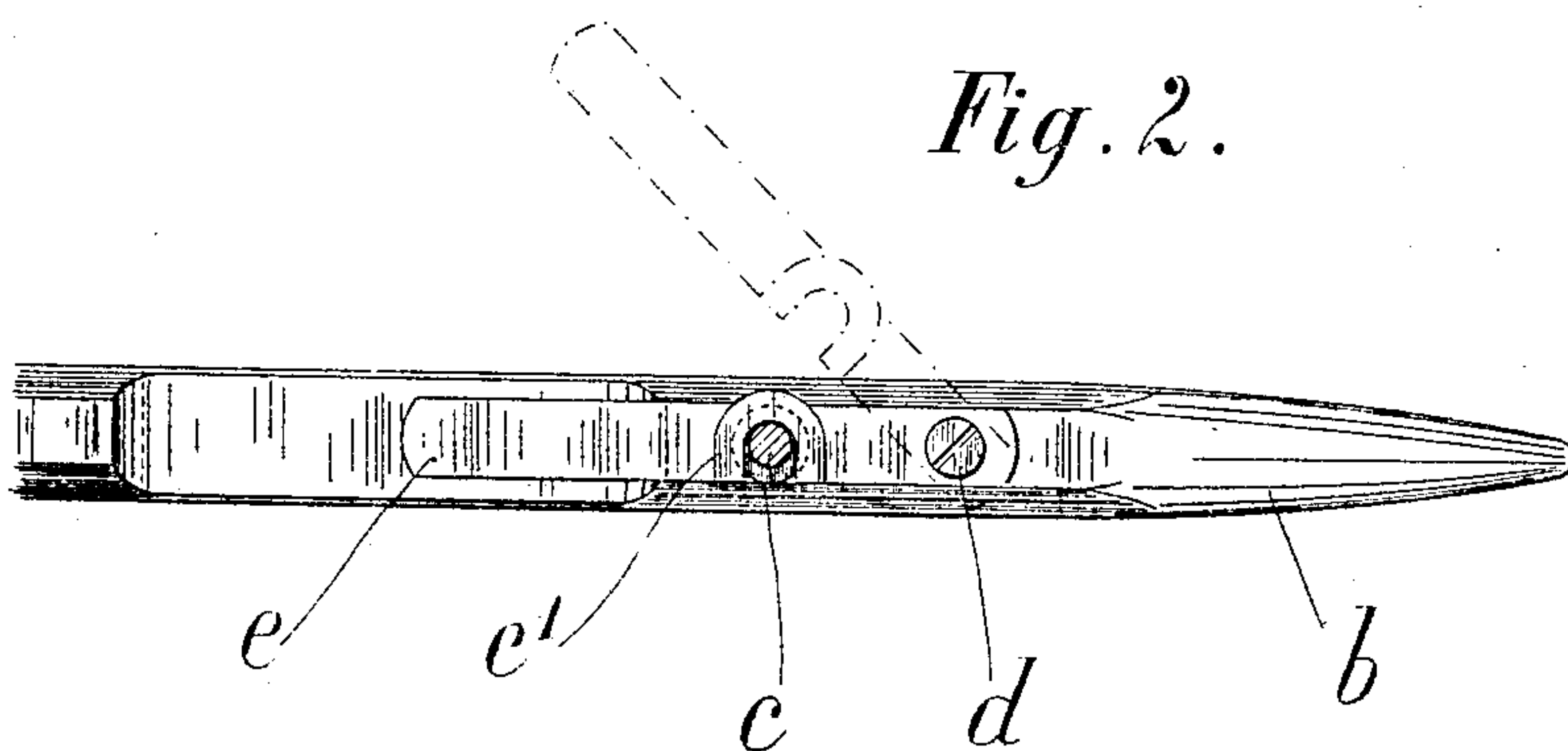


Fig. 2.



Witnesses:

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RULING-PEN.

No. 804,011.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed June 19, 1905. Serial No. 265,997.

To all whom it may concern:

Be it known that I, HEINRICH KERN, a citizen of Switzerland, residing at Aarau, Switzerland, have invented certain new and useful Improvements in Ruling-Pens; and I do hereby 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.

This invention relates to ruling-pens as used by draftsmen; and the object is to provide means whereby the leaves of the pen may be quickly and easily separated for cleaning and the like and then restored instantly and accurately to the former operative relation to produce a line of the same width.

In the accompanying drawings I have illustrated the invention for the purpose of rendering the same readily understood.

In the drawings, Figure 1 is a side elevation of a portion of a ruling-pen embodying my invention, and Fig. 2 is a top plan of Fig. 1 with the milled head of the adjusting-screw removed.

The two spring-leaves *a* and *b* of the pen are adjustably connected by means of the screw *c*, the lower leaf *a* having a threaded aperture for engagement by the threaded end of the screw and the leaf *b* a smooth opening for the shank of the said screw which is provided with the usual milled head *c'*.

By a screw *d* a clip *e* is pivotally secured by one extremity to the upper pen-leaf *b* at a point between the adjusting-screw and the leaf-tip, the other extremity of the clip extending along the pen-leaf toward and adjacent to the handle, so as to be within convenient reach of the finger of the draftsman.

The intermediate portion of the clip is provided with an upwardly-extending boss *e'*, which, together with body of the clip, is perforated and cut away at one side, forming a U-shaped opening or recess for the reception of the shank of the screw *c* when the clip is in the closed position. The top of the boss abuts against the under side of the milled head *c'* and forms a stop, limiting the extent of separation of the leaves *a* and *b*.

By the construction as thus set forth it will be seen that the draftsman when the pen needs cleaning can throw the clip *e* to one side, as indicated by broken lines in Fig. 2, thus allowing the leaves of the pen to spring apart a distance equal to the width of the

clip-body *e* plus the additional height of the boss *e'*, the leaf *b* of the pen itself contacting with the under side of the head *c'*. After cleaning the leaves are pressed together and the clip swung into position, as shown in full lines, with the boss under the head *c'*, when it is obvious that the tips of the pen-leaves will occupy exactly the same relative position as before cleaning and the line made thereby will not differ in width from those previously made. This provision for cleaning saves the time otherwise necessary to loosen and again tighten the adjusting-screw, saves the wear upon the threads of the screw, permits a wide separation of the pen-leaves for cleaning, and secures accuracy of return to the exact adjustment previously determined upon and used.

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

1. In a ruling-pen, the combination, with means for adjusting the degree of separation of the two leaves, of a clip mounted on the pen-leaf arranged to be interposed between the pen-leaf and part of the adjusting means.

2. In a ruling-pen, the combination, with means for adjusting the degree of separation of the two leaves, of a clip pivoted to one pen-leaf with its free end lying adjacent to the pen-handle and arranged to be interposed between the pen-leaf and part of the adjusting means.

3. In a ruling-pen, the combination, with an adjusting-screw, of a clip pivoted to the pen-leaf below the adjusting-screw and arranged to be interposed between the pen-leaf and the head of the screw.

4. In a ruling-pen, the combination, with a screw for adjusting the degree of separation of the two leaves, of a clip pivoted to one pen-leaf with its free end lying adjacent to the pen-handle and arranged to be interposed between the pen-leaf and the head of the screw, the clip being provided with a U-shaped recess to embrace the shank of the screw.

5. In a ruling-pen, the combination, with a screw for adjusting the degree of separation of the two leaves, of a clip pivoted to one pen-leaf with its free end lying adjacent to the pen-handle and arranged to be interposed between the pen-leaf and the head of the screw, the clip being provided with a U-shaped recess to embrace the shank of the

screw, and a boss projecting above the body of the clip to abut against the under side of the screw-head.

6. In a ruling-pen, the combination, with
5 an adjusting-screw, of a clip pivoted below the adjusting-screw and arranged to be interposed between the pen-leaf and the head of the screw, and a boss projecting above the body of the clip to abut against the under
10 side of the screw-head.

7. In a ruling-pen, the combination, with a screw for adjusting the degree of separation of the two leaves, of a clip pivoted below the adjusting-screw with its free end ex-

tending past the adjusting-screw toward the
pen-handle, the clip being provided with a
15 U-shaped recess to embrace the shank of the screw and with an outwardly-projecting boss to abut against the under side of the screw-head.

In testimony whereof I affix my signature
to this specification in the presence of two
20 witnesses.

HEINRICH KERN.

Witnesses:

F. RUEBSCH,
F. SENN.