

No. 891,104.

PATENTED JUNE 16, 1908.

G. SCHOENNER.
DRAWING PEN.

APPLICATION FILED NOV. 28, 1906.

Fig. 1.

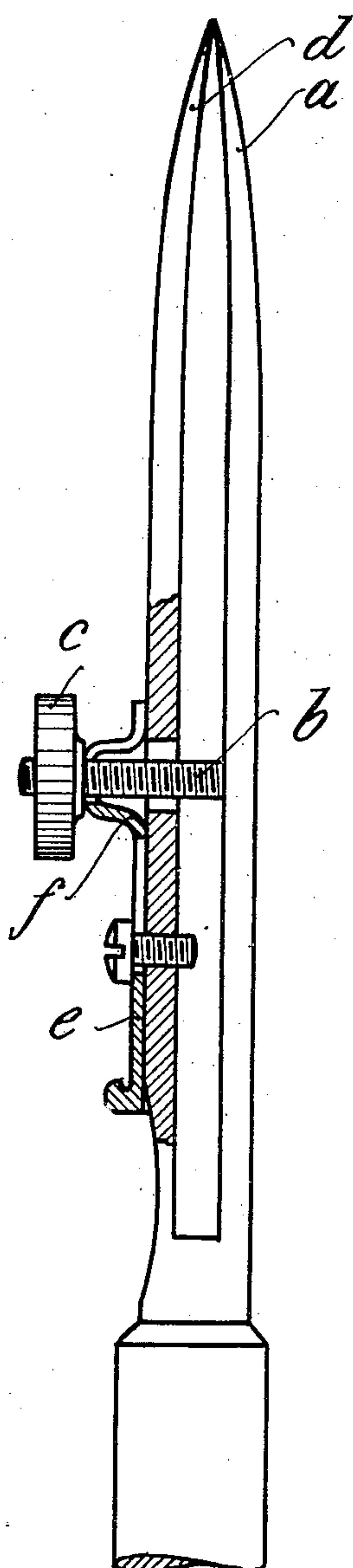


Fig. 2.

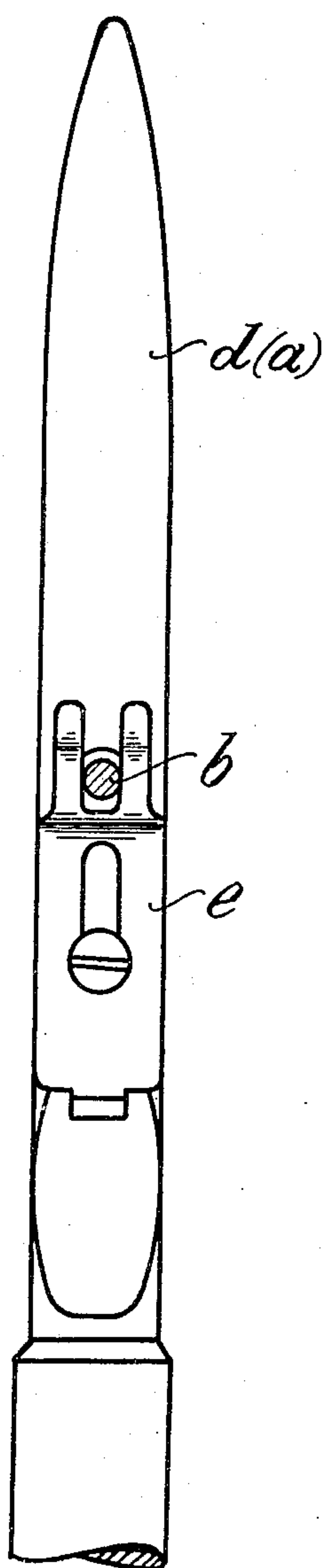
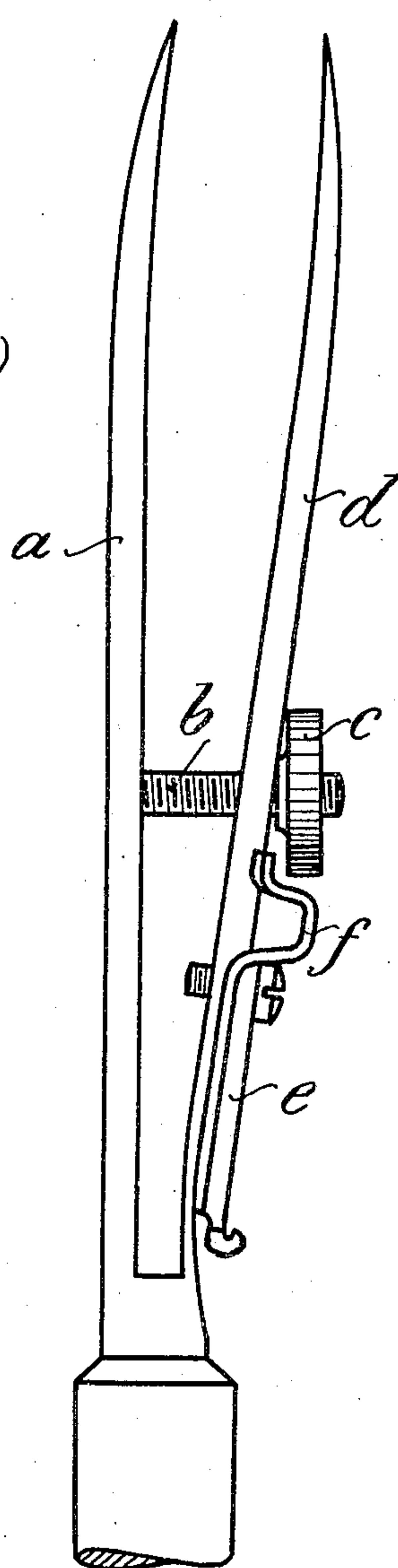


Fig. 3.



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GEORG SCHOENNER, OF NUREMBERG, GERMANY.

DRAWING-PEN.

No. 891,104.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed November 28, 1906. Serial No. 345,544.

To all whom it may concern:

Be it known that I, GEORG SCHOENNER, manufacturer, subject of the German Emperor, residing at Nuremberg, Bavaria, Germany, have invented new and useful Improvements in Drawing-Pens, of which the following is a specification.

Drawing pens are already known in which by the use of a locking bolt arranged on one blade of the pen, and engaging the adjusting screw, the blades while in use may be allowed to separate and be cleaned without altering the thickness of the line. This kind of drawing pen, has, however, the drawback that their set screws in order to obtain the necessary support or hold for the locking bolt must be provided with a recess or grooving which involves a weakening of the screws, or necessitates the use of thicker screws.

Now this invention has for its object to construct the locking bolt, which may be employed both as a screw and also as a turn bolt, in such a way that such grooves on the screws are avoided, and the pen blades, when the bolt is released, may spring apart to an extent sufficient to allow of their being conveniently cleaned. This is attained by the locking bolt, when the pen blades are in a position for use, bearing against the under side of the setting disk of the entirely threaded screw, which serves for regulating the thickness of the line, and being enlarged at its part which bears against the setting screw, in such a way that when pushed back it allows the pen blades to spring sufficiently apart to admit of their being conveniently cleaned.

The invention is shown in the accompanying drawings, in which

Figure 1 is a side view partly in section, Fig. 2 is a front view with the screw *b* shown

in section, and Fig. 3 is a side view showing the pen open.

In this arrangement a set screw *b* threaded along its entire length, is mounted in the fixed blade of the pen *a* and carries a head *c* formed as a nut. On the other spring blade *d*, a lock bolt formed as a slide *e* is mounted in such a way as to be longitudinally displaceable. The front end which is suitably slotted to correspond in width with the diameter of the setting screw, is enlarged and bears with its upper side against the under side of the nut *c* when the blades of the pen are in a position for use.

The enlargement of the slide is of sufficient size to allow, when the slide is pushed back, the spring blade *d* before it encounters the setting nut to spring far enough away from the other blade that the pen blades may be conveniently cleaned. In the form of construction shown this enlargement is formed by bending the front end of the flat slide into a U-shaped yoke *f*, the arm of which is of sufficient length for the necessary bend.

I declare that what I claim is:—

A drawing pen comprising two blades, one of said blades having a slot therein, an adjusting screw connected to one blade and passing through said slot and a slide carried by said slotted blade, said slide having a springy forked end of U shape in longitudinal section adapted to engage with the head of said screw.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORG SCHOENNER.

Witnesses:

LEONHARD KOEBER,
HERMANN BOCHLAMANN.