

No. 876,024.

PATENTED JAN. 7, 1908.

W. A. STEINEMAN.
DRAFTING PEN CLEANER.
APPLICATION FILED AUG. 27, 1907.

Fig. 1.

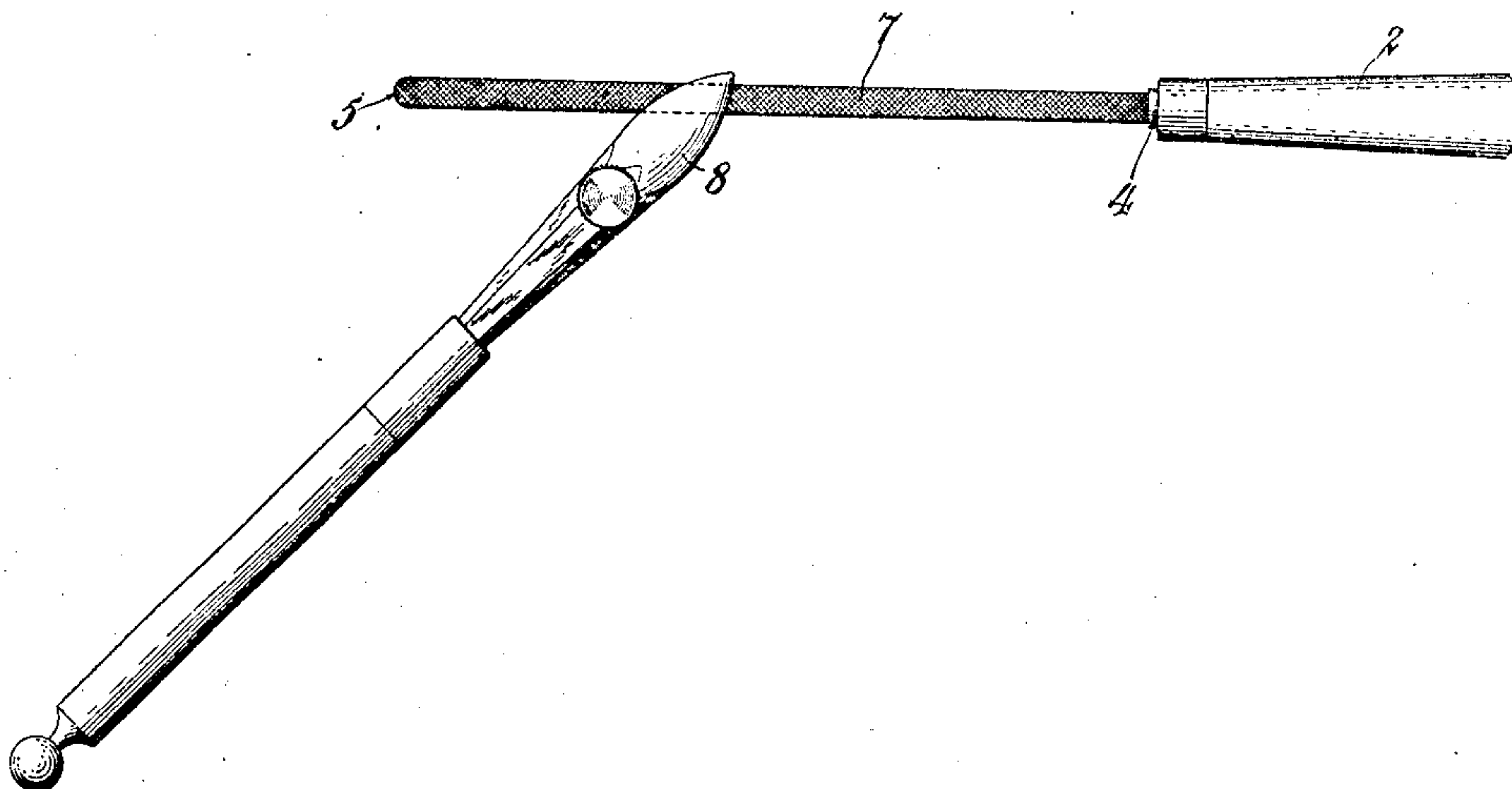


Fig. 2.

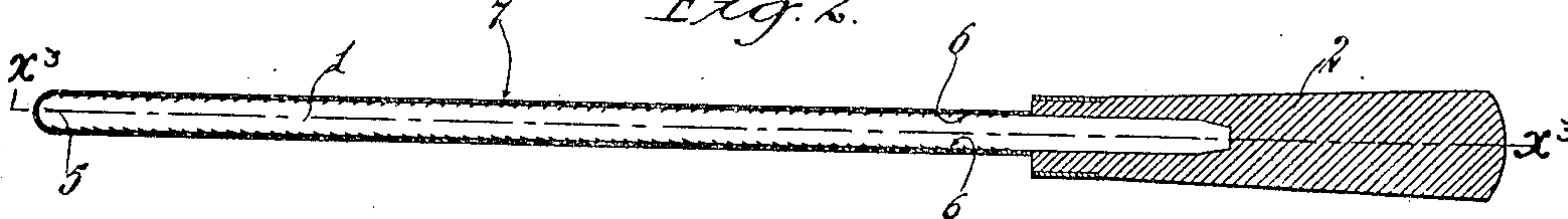
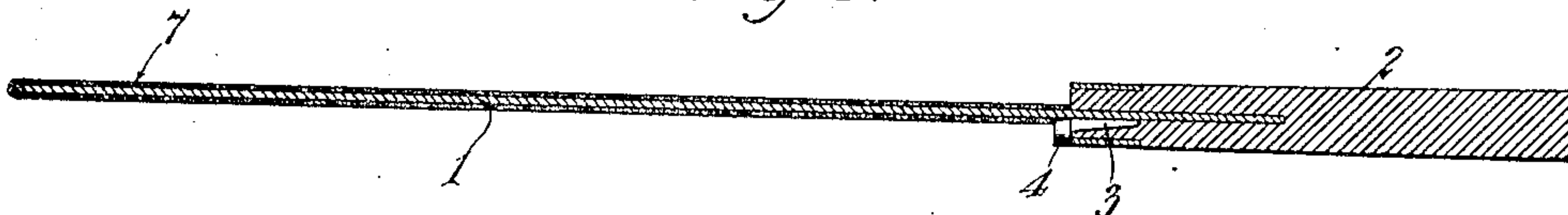


Fig. 3.



Witnesses:-
Louis W. Gratz.
Frank Calmahan.

Inventor:
William A. Steineman.
by Townsend & Hackley
his attys.

UNITED STATES PATENT OFFICE.

WILLIAM A. STEINEMAN, OF LOS ANGELES, CALIFORNIA.

DRAFTING-PEN CLEANER.

No. 876,024.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed August 27, 1907. Serial No. 390,406.

To all whom it may concern:

Be it known that I, WILLIAM A. STEINEMAN, a citizen of the United States, residing at Los Angeles, county of Los Angeles, and State of California, have invented a new and useful Drafting-Pen Cleaner, of which the following is a specification.

This invention relates to a device for cleaning drafting pens, particularly the ruling pens and bow pens employed in that art.

The ordinary method of cleaning the pen consists in drawing a piece of chamois or cloth between the nibs of the pen, and the object of the present invention is to enable the pen to be cleaned quicker and with equal thoroughness. Moreover, the device is handled more conveniently and occupies relatively small space, and being stiff, there is much less liability of soiling papers at the drawing board than where a cleaning cloth or chamois is used. The accompanying drawings illustrate the invention, and referring thereto:—

Figure 1 is a side elevation of the device showing it applied to a drawing pen and illustrating the manner of cleaning the pen. Fig. 2 is an enlarged sectional view taken parallel with the flat of the inner blade, the blade being shown in elevation. Fig. 3 is a longitudinal sectional view on line x^3-x^3 Fig. 2.

The device comprises a flexible blade 1, preferably composed of spring metal, one end of which is detachably fastened in a handle 2 by means of a wedge-shaped push-pin 3 having a head 4. The outer end 5 of the blade 1 is rounded as shown, and at the inner end of the blade 1 is provided on each edge with a series of serrations or saw teeth 6, the points of the teeth being extended in a direction toward the handle 2. The blade 1 is incased by an external sheathing 7, which sheathing may be formed of suitable fabric, preferably having a soft finish or texture which will clean the ink from the pen without injuring the points of the pen. The casing 7 is held on the blade 1 by the teeth 6 which engage in the meshes of the fabric and prevent the sheathing from being accidentally withdrawn from the blade. The sheathing in addition to being held by the teeth 6, is further secured by pressure of the head 4 of the push-pin at one side near the handle, as shown in Fig. 3.

The device is operated as indicated in Fig. 1, by inserting the sheathed blade be-

tween the nibs 8 of the pen and then drawing it with a sliding motion out from between the nibs of the pen, which motion wipes the ink off the nibs of the pen. When the sheathing 7 becomes soiled to such an extent that it is no longer useful, it is removed by first withdrawing the push-pin 3 which allows the blade 1 and sheathing to be separated from the handle, and then by cutting off the outer end of the sheathing the sheathing may be readily slid off from the blade 1 by sliding it in a direction away from the outer end of the blade, the shape of the teeth not resisting this direction of movement of the sheathing. A new sheathing can be then slipped on the blade from the outer end and the blade reinserted in the handle. In selling the device a set of sheathings could accompany it, as the sheathings are exceedingly cheap and in fact may be constructed similarly to a woven hollow flat shoe-string. It should be noted that practically all of the material of the cleaning fabric is capable of being utilized, whereas, when using a cloth or chamois, it is as a rule not practicable to employ other than the edges of the chamois or cloth.

What I claim is:—

1. A drafting pen cleaner comprising a blade and a sheathing formed of suitable cleaning fabric, detachably fastened on the blade.

2. A drafting pen cleaner comprising a blade having serrations formed thereon and a sheathing formed of suitable cleaning fabric incasing said blade and stretched over said serrations.

3. A drafting pen cleaner comprising a handle and blade inserted in said handle, said blade having serrations in opposite edges near the handle, a sheathing formed of suitable cleaning fabric incasing the blade and engaged by said serrations, and a wedge-shaped push-pin inserted in the handle against the blade to hold the blade detachably in the handle, and the head of the push-pin engaging the end of the sheathing to assist in retaining the sheathing.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 20th day of August, 1907.

WILLIAM A. STEINEMAN.

In presence of—

GEORGE T. HACKLEY,
FRANK L. A. GRAHAM.