

No. 627,512.

Patented June 27, 1899.

F. H. LIPPINCOTT.

LEAD PENCIL.

(Application filed Oct. 15, 1897.)

(No Model.)

Fig. 1

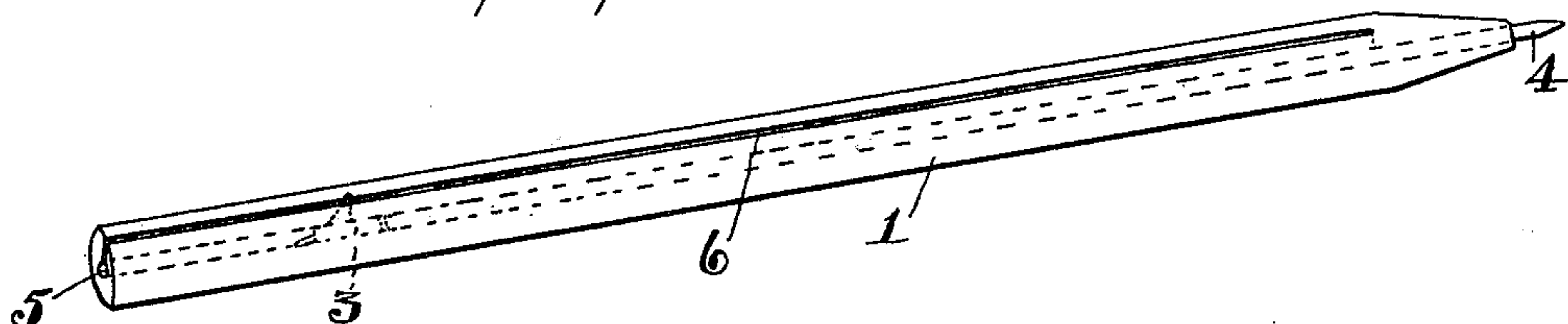


Fig. 2

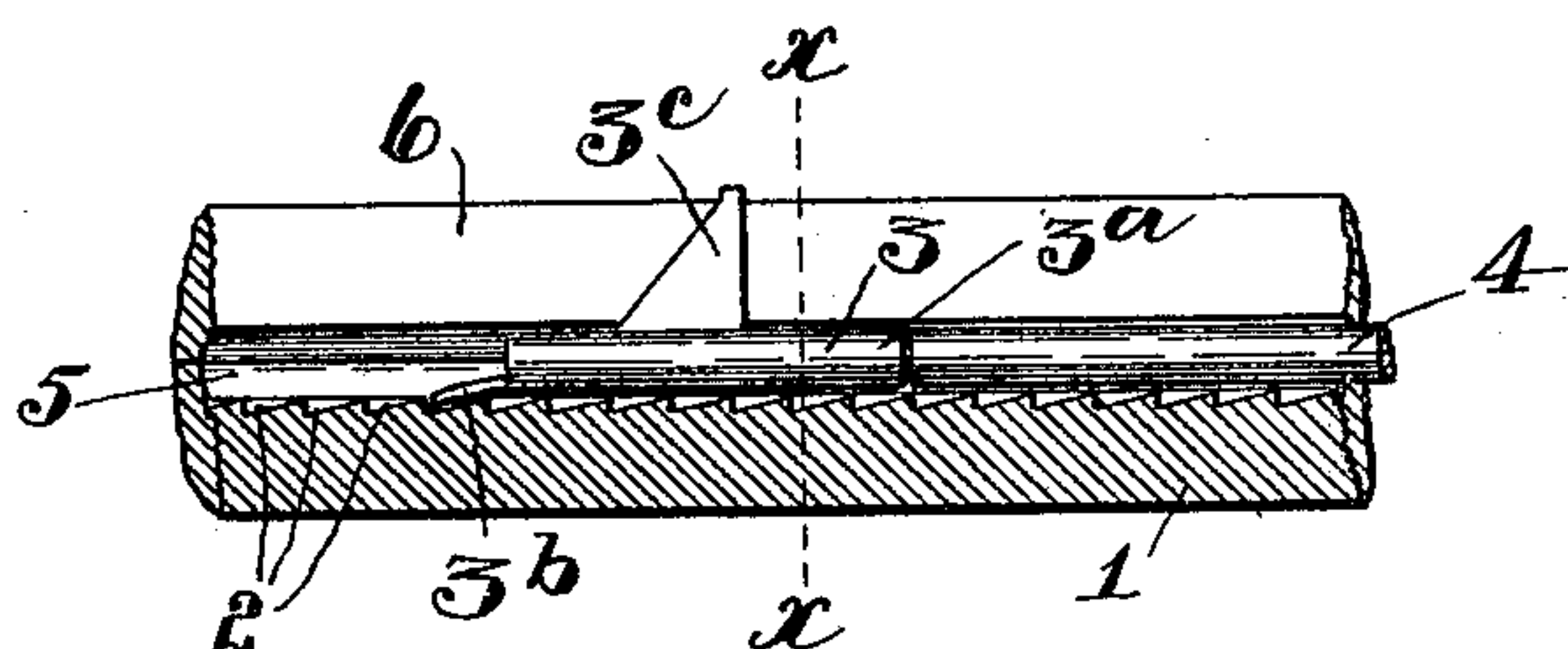


Fig. 3

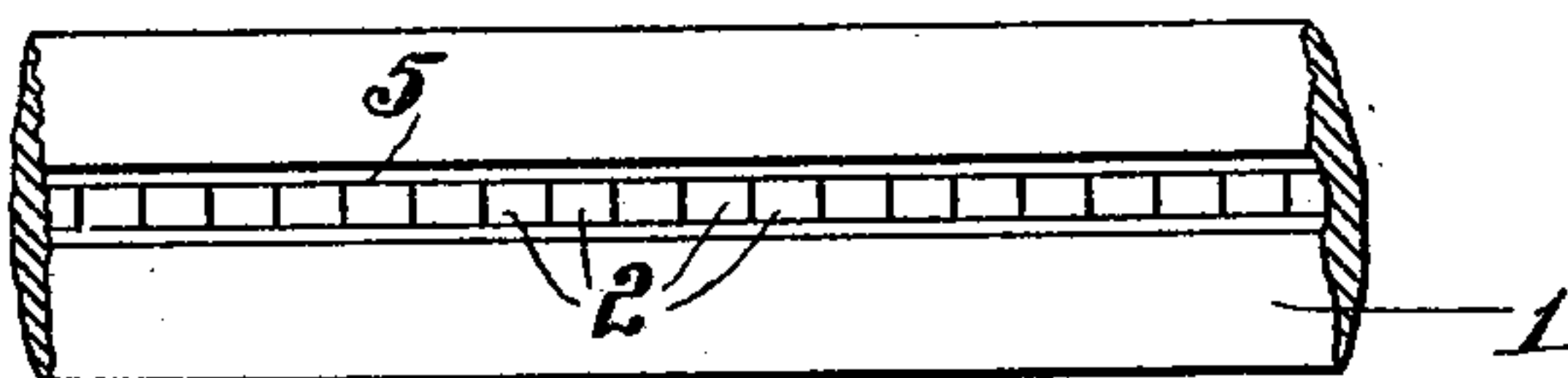
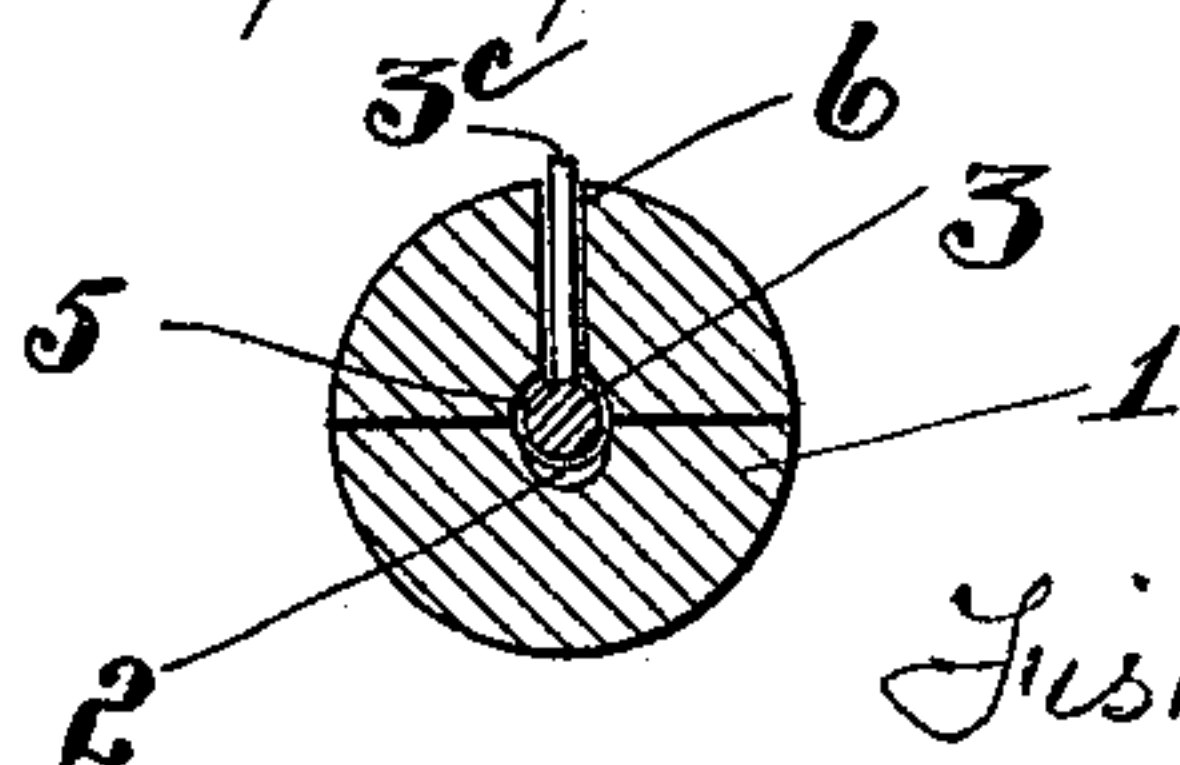


Fig. 4



Witnesses.

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UNITED STATES PATENT OFFICE.

FISHER H. LIPPINCOTT, OF PHILADELPHIA, PENNSYLVANIA.

LEAD-PENCIL.

SPECIFICATION forming part of Letters Patent No. 627,512, dated June 27, 1899.

Application filed October 15, 1897. Serial No. 655,275. (No model.)

To all whom it may concern:

Be it known that I, FISHER H. LIPPINCOTT, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Lead-Pencils, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, of which—

10 Figure 1 is a perspective view of a lead-pencil embodying my invention; Fig. 2, a longitudinal vertical section, enlarged and broken away, through the pencil, the slot being in the vertical position. Fig. 3 is a plan view, enlarged and broken away, of one longitudinal half of the pencil before the parts are cemented together, showing the teeth in the bore. Fig. 4 is a full vertical section as on line *x x*, Fig. 2.

20 The object of this invention is to provide a pencil of wood or the like similar in form and appearance to the ordinary wooden pencil, but in which the usual lead is adapted to be protruded therefrom the required distance as its point becomes worn away in use.

25 The invention consists of the combination of a sheath or holder of wood or similar material having a longitudinal bore to receive the lead and frictionally retain the same, a part of the wall of the bore having teeth indented therein and a follower adapted to slide in said bore and having a spring or spring-controlled tooth adapted to engage any one of said teeth.

35 Referring to the accompanying drawings, 1 is the usual bored wooden sheath, made in two cemented longitudinal parts. Before cementing the parts together I by means of a suitable tool, such as a narrow roller with peripheral teeth, indent a part of the wall of the half-bore of one of the parts of the sheath, so as to produce a series or line of teeth 2. The two halves of the sheath are then cemented together.

45 3 is a sliding piece or follower, loosely fitting the bore and having a forward part or

projection 3^a and a spring tooth or pawl 3^b, that is adapted to engage the teeth 2. The lead 4 is inserted in the bore 5, and the follower is slid into the rear end of the latter. 50

In using the pencil the follower is advanced until the point of the lead is caused to protrude the desired distance from the front or pointed end of the sheath, as seen in Fig. 1. The spring-tooth 3^b sliding over the teeth 2 and catching in one of them, the follower, and consequently the lead, is prevented from being pushed back into the sheath by the pressure on the point of the lead in writing. 55 When the latter has worn away, the follower is again advanced, by any suitable means, to further protrude the lead. In order to provide convenient means for thus advancing the follower, I provide a longitudinal slot 6 in the sheath, which communicates with bore 5, and provide the follower with a lug or projection 3^c, whose outer end projects a short distance beyond the periphery of the sheath, as shown. By pressing forward against this projection the follower will be advanced accordingly. 60 70

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

In a lead-pencil, the combination with the sheath or holder of wood, or the like, having the longitudinal bore, the longitudinal slot communicating with the latter, and the series of teeth or indentations in the wall of said bore, of the follower, adapted to slide in said bore and having the spring-controlled tooth or pawl, adapted to engage said teeth, and having also the projection extending through the said slot, substantially as and for the purpose set forth. 75 80

In testimony whereof I have hereunto affixed my signature this 24th day of September, A. D. 1897. 85

FISHER H. LIPPINCOTT.

Witnesses:

WALTER C. PUSEY,
JOSHUA PUSEY.