

(No Model.)

H. HARRIS.
Lead and Crayon Holder.

No. 241,003.

Patented May 3, 1881.

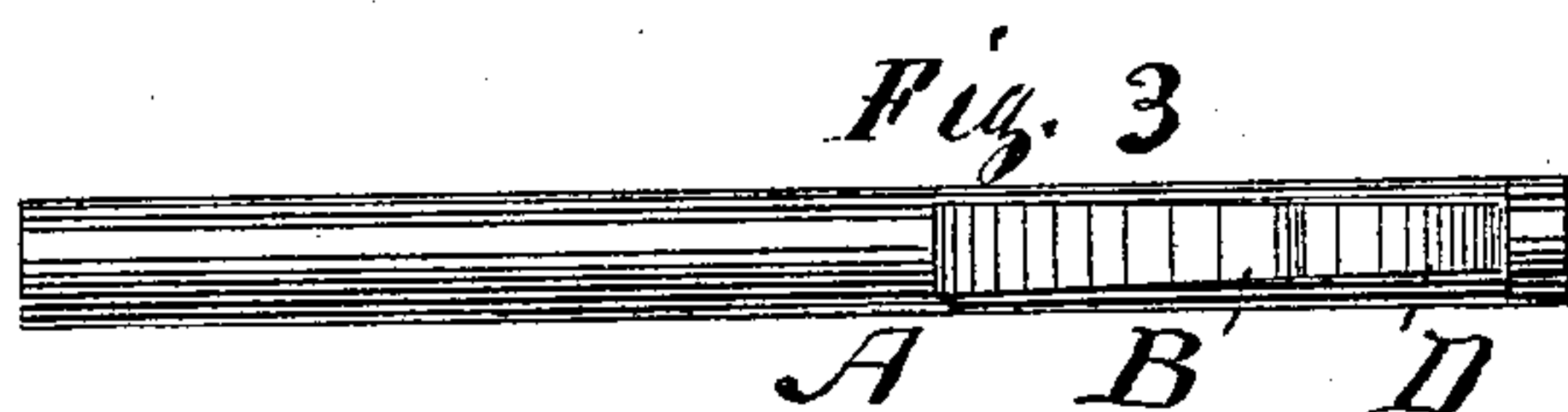
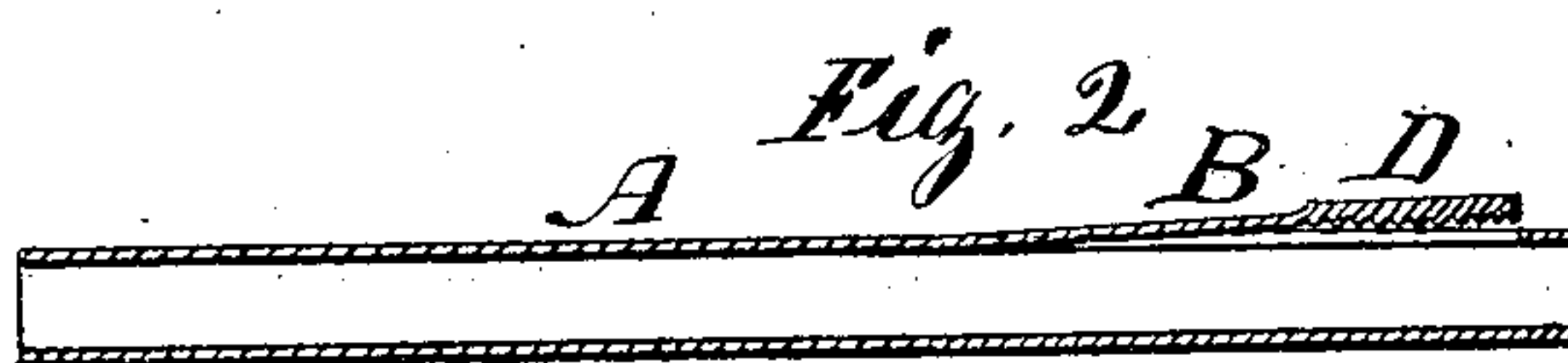
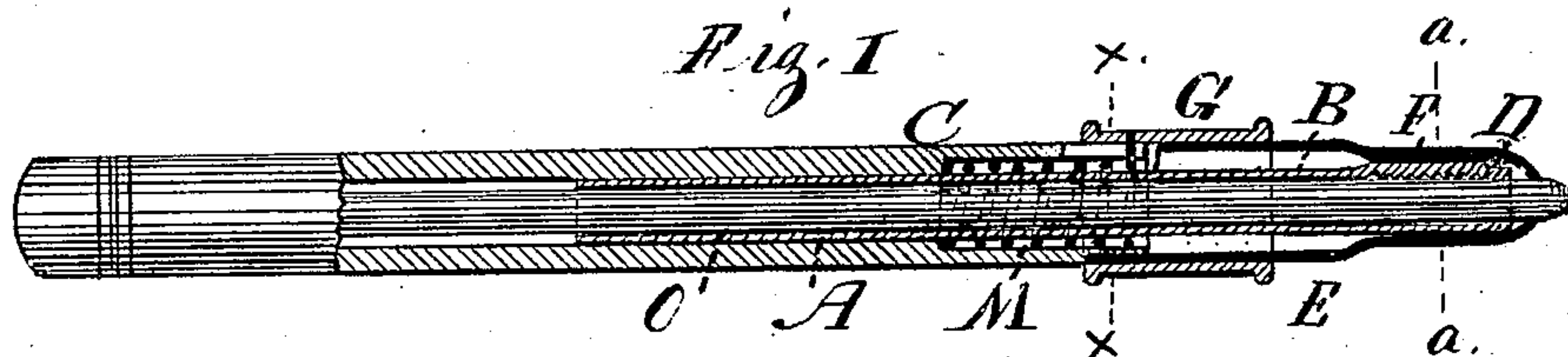
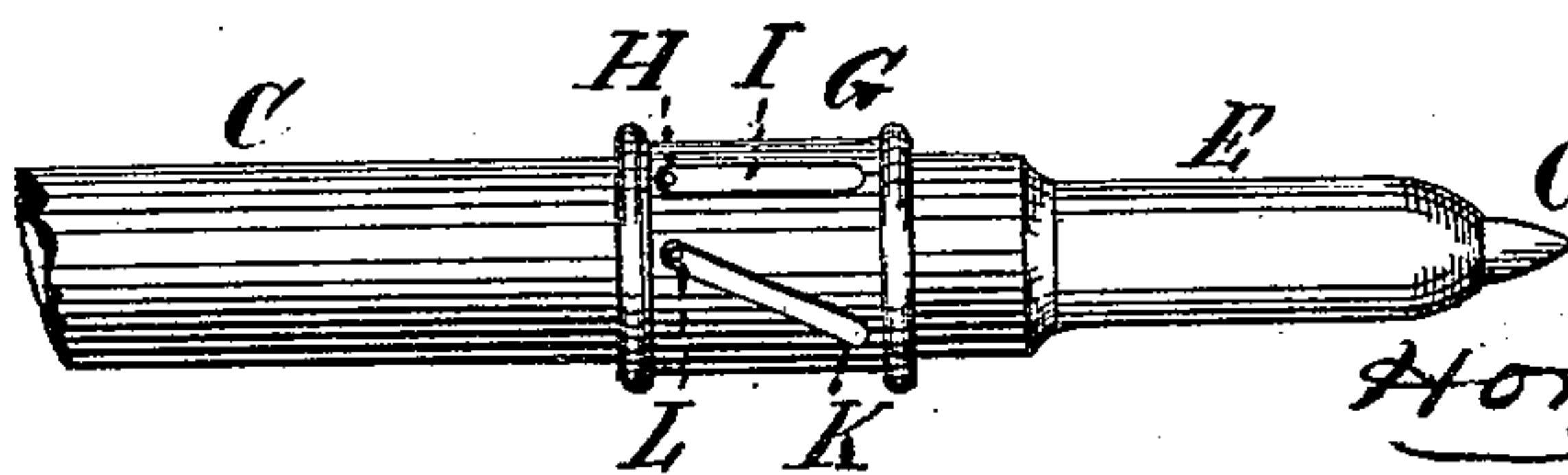


Fig. 7.



Witnesses
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HORACE HARRIS, OF NEWARK, NEW JERSEY.

LEAD AND CRAYON HOLDER.

SPECIFICATION forming part of Letters Patent No. 241,003, dated May 3, 1881.

Application filed March 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, HORACE HARRIS, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful
5 Improvement in Lead and Crayon Holders, of which the following is a specification.

My invention relates to a lead and crayon holder wherein, in an opening in one side, or it may be in two sides, of a lead-receiving tube,
10 is hung a spring-strip, made normally to spring outward, having the end thicker than the thickness of the tube, and adapted to be pressed inward against the lead, pressing it against the side of the tube, and hold it firmly in use; and
15 it consists in the tube above named, and in a ferrule or tip connected with the case, and turning on it partly over, and provided with a projection (one or two) on the inner side adapted, when the ferrule is turned, to slide upon
20 the end of the strip and press it against the lead; and it also consists in a spring and slide to operate the ferrule in its relation to the spring-strip, or in equivalent devices.

Figure 1 is a longitudinal view, mainly in
25 section. Figs. 2 and 3 are detailed views of the lead-receiving tube and a clamping-strip connected. Fig. 4 is a cross-section of Fig. 1 on a line of xx . Figs. 5 and 6 are cross-sections of Fig. 1 on a line of a . Fig. 7 is a side
30 elevation, showing the operating-slide, &c.

In my construction A is the lead-receiving tube.

B is a strip cut out from the tube, but fast at the upper end; or it may be entirely detached,
35 and the upper end be made fast to the case C. The lower end, D, of the strip is thickened, and may stop short of the end of the tube, as seen in Figs. 1 2 3, or it may extend out to the end. In either case it is free to be pressed in
40 against the lead O.

E is a tip or ferrule, and F a projection on the inner surface of it.

G is a slide on the case and ferrule, sliding longitudinally on the pin H, made fast to the
45 case, working in the slot I. The diagonal slot K in the slide receives the pin L, made fast to the ferrule. A spring, M, coiled around the tube has the lower end secured to the slide and

the upper end pressing against a section of the case, and is set to push the slide down. In
50 that position, as seen in Figs. 1 and 6, the ferrule is thrown around so that the projection F on the inside is carried over the end of the strip B and presses it in upon the lead, clamping it for use, as above stated. To relieve the lead
55 the slide is moved upward, which carries the ferrule over so that the projection ceases to bear against the strip, as seen in Fig. 5, and the lead is disengaged.

Various methods of using a spring may be
60 employed and the same result be secured, the one feature of my invention being in the strip having the thickened end and hung to work in an opening in the tube to be pressed in upon the lead by the partial revolution of the fer-
65 rule, with the projection on its inner surface, and operated by a suitable spring, or it may be used without a spring; and by some other device may this spring-strip be pressed in upon the lead to clamp it, and answer the same pur-
70 pose as the ferrule.

I claim—

1. The lead-receiving tube A and the spring-strip B, constructed and arranged substantially as described, in combination with the ferrule
75 E, having the projection F, substantially as and for the purpose specified.

2. The combination of the tube A, strip B, ferrule E, all constructed and arranged substantially as described, and a suitable spring
80 to actuate the ferrule, substantially as set forth.

3. The combination of the tube A, strip B, ferrule E, having the projection F, with the slide G, having the slots I and K and the pins H and L working in the respective slots, sub-
85 stantially as and for the purpose specified.

4. The combination of the tube A, strip B, ferrule E, and slide G, all constructed and arranged substantially as described, and the coil-spring M, substantially as and for the purpose
90 set forth.

HORACE HARRIS.

Witnesses:

WM. GODDARD,
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