

(No Model.)

J. PUSEY.
LEAD OR CRAYON HOLDER.

No. 338,611.

Patented Mar. 23, 1886.

Fig. 1.

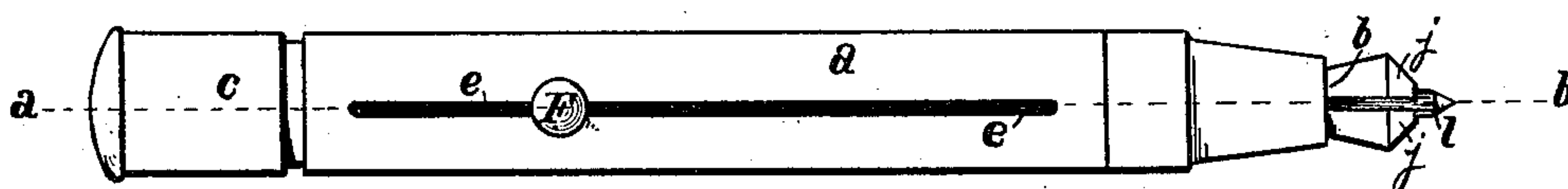


Fig. 2.

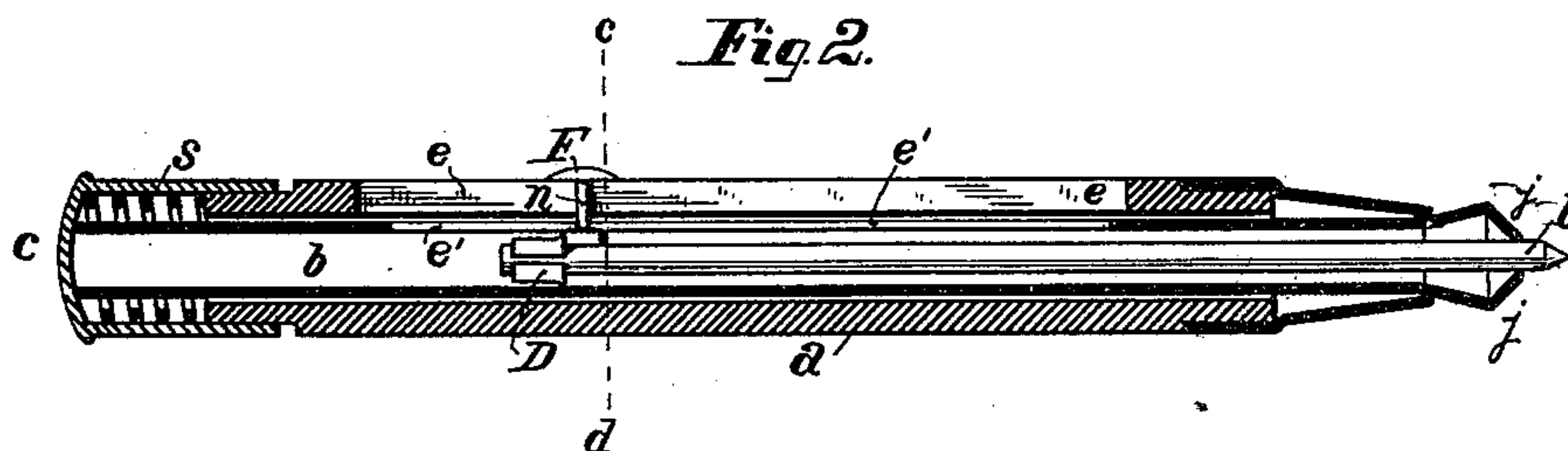


Fig. 3.

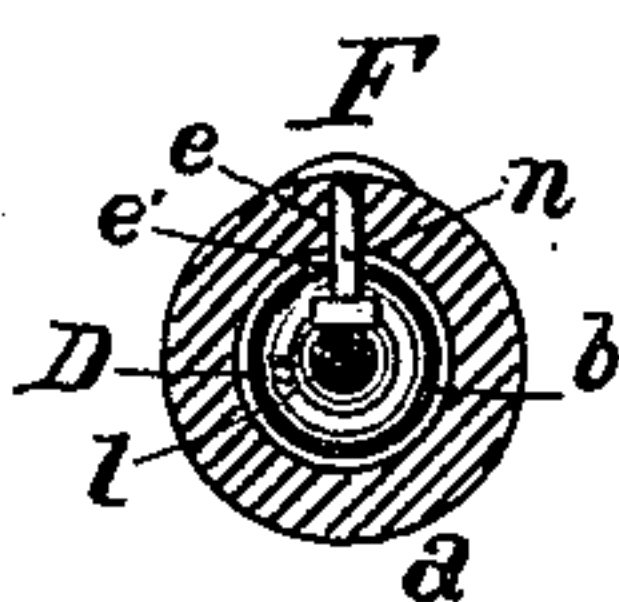


Fig. 4.



WITNESSES:

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LEAD OR CRAYON HOLDER.

SPECIFICATION forming part of Letters Patent No. 333,611, dated March 23, 1886.

Application filed May 17, 1883. Serial No. 95,272. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA PUSEY, a citizen of the United States, residing in the city and county of Philadelphia, and State of Pennsylvania, have invented certain new useful Improvements in Lead or Crayon Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

Figure 1 is an elevation of a lead or crayon holder with my improvement applied thereto. Fig. 2 is a longitudinal section thereof on the line *a b*. Fig. 3 is a transverse section on line *c d*. Fig. 4 is an oblique view of check-ring detached.

This invention relates to that class of pencils or lead and crayon holders and analogous devices combined with a suitable case or handle mechanism for holding the lead or crayon, the latter being loosely contained in the case, so that when the releasing mechanism is actuated and the implement held in a vertical position the lead will drop out of the front end or nozzle of the case by gravity, until arrested by the action of the holding mechanism.

In the accompanying drawings, the invention is shown as applied to a lead or crayon holder known as the "Automatic"—such as is shown and described in Hoffman's patent, No. 215,521, of May 20, 1879, and in other Letters Patent. It is, however, applicable to other forms of the same general class of gravity-pencils—such, for example, as that shown in my Letters Patent No. 275,517, dated April 10 1883.

I shall not claim herein a stop or gage, generally, in combination with devices of the class referred to, for preventing the lead, blade, &c., from dropping out from the case when released, the same being shown in Wisner's patent, No. 35,964, dated July 22, 1885; but my invention consists in the combination, with a suitable case or handle having holding and releasing mechanism, of a lead, crayon, blade, or other like elongated article provided with a stop or projection thereon, and a longitudinally-movable gage, with which the said projection is adapted to engage, whereby the extent of protrusion of the lead, &c., may be limited, as desired, by adjusting the said gage in the required position.

The invention also consists of certain specific details of construction and combination, as hereinafter described and pointed out.

Referring now to the annexed drawings, *a* is the case or sheath of an automatic pencil, and *b* the inner tube in which the lead *l* is loosely contained, said tube having the tapering jaws *j*, the cap *c*, and the spiral spring *s*, for retracting the jaws in order to cause them to grasp the protruded lead. The construction and operation of these pencils are so well known that further description thereof is unnecessary.

Although other forms of stop on the lead will serve the purpose in view, in carrying out my invention in its present form I prefer to provide with the tube *b* a stop or check-ring, *D*, consisting of a short split tube, preferably of steel or other elastic material, so that the ring will adapt itself to various sizes of leads. The lead *l* is introduced into the tube *b*, the jaws *j* being expanded by pressing down cap *c*, and is pressed up into the ring *D* until the latter is firmly attached to the lead. I prefer to make the forward end of this check-ring flaring, as shown, so that the leads will readily enter, and the diameter of the ring at any point must be less than the inside diameter of the containing-tube, so that there will be no obstruction to the free movement of the lead within the said tube.

Now, it is obvious that when the jaws *j* are opened, the lead or leads, &c., will drop out of the case, unless a suitable stop is provided, and in a lead-pencil, especially, it is very desirable that the stop should be adjustable so that the drop or protrusion of the lead from the case or nozzle shall always be limited to a certain distance. I accomplish this in the invention described in my said Letters Patent No. 275,517 by means of a check-ring or stop secured to the lead in a manner that the one is adjustable with relation to the other. In my present invention I attain a similar result by means of a check, stop, or projection upon the lead and a sliding or longitudinally-movable gage. This stop is marked *R* in the annexed drawings and the gage is marked *F*. In the present instance said gage consists of a button, *F*, having a shank, *n*, adapted to slide in a longitudinal slot, *e*, in the sheath or case, and also in a corresponding slot, *e'*, in the lead-

containing tube *b*. The base of this gage or button projects into tube *b* far enough to stop the passage of the check-ring, yet not so far as to interfere with the free movement of the lead, as seen in Figs. 2 and 3. The gage may be moved back and forth the length of the slots by its button on the outside of the sheath, as shown. As seen in Fig. 1, the gage is in a position to permit the lead to drop but a short distance, comparatively, from the case. When the lead has worn away, the gage is moved forward the desired distance, and so on until the lead is nearly used up. When a new one is supplied, the gage is moved back to the required position.

It is not essential to the successful operation of my invention that the check *D* should be actually contained within the tube *b*; but it is requisite that it should be connected securely to the lead, and that the latter, having the check thus secured to it, shall be free to move up and down by its gravity, except as checked in the manner described, within the containing-case provided with the grasping and releasing mechanism.

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

1. In a holder for leads or crayons and analogous articles, the combination of a case having mechanism for holding and releasing the lead, &c., the lead or other article loosely contained within said case and provided with a stop or enlargement thereon, an adjustable longitudinally-movable stop-gage with which said stop or enlargement is adapted to engage, and the extent of the drop or protrusion of the lead, &c., from the case thereby limited, substantially as described.

2. The combination of the case or handle, the lead-containing tube having the tapering jaws longitudinally movable with relation to the case, the spring-controlled pressure-cap actuating said lead-containing tube, the lead or crayon provided with a stop or enlargement thereon, and the longitudinally-movable gage, with which the said stop or enlargement is adapted to engage, substantially as and for the purpose set forth.

In witness whereof I have hereunto affixed my signature this 16th day of May, A. D. 1883.
JOSHUA PUSEY.

Witnesses:

JOHN BURKHARDT,
LISLE STOKES.