

G. H. HENKEL.  
Ink-Wells for School-Desks.

No. 219,399.

Patented Sept. 9, 1879.

Fig. 1.

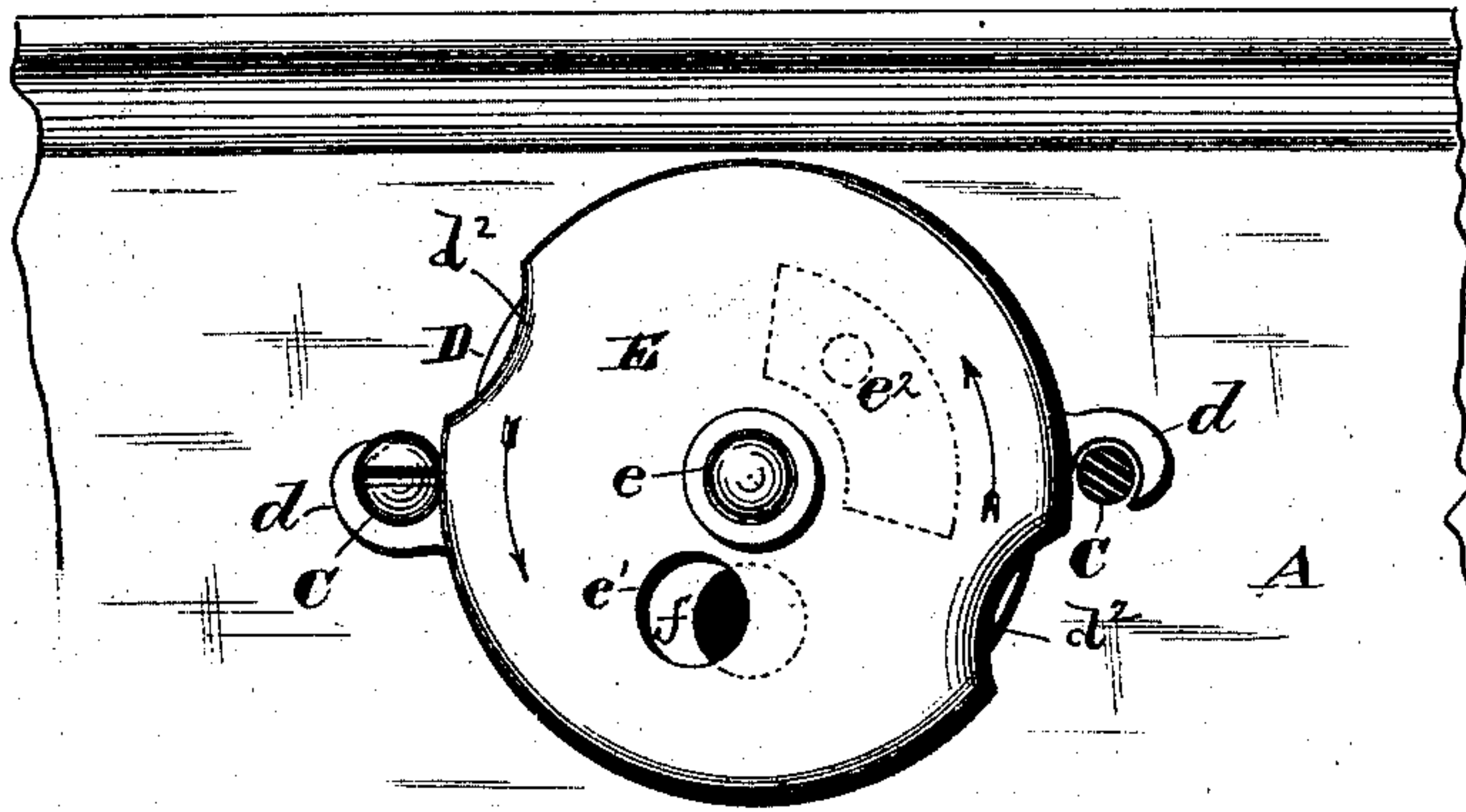
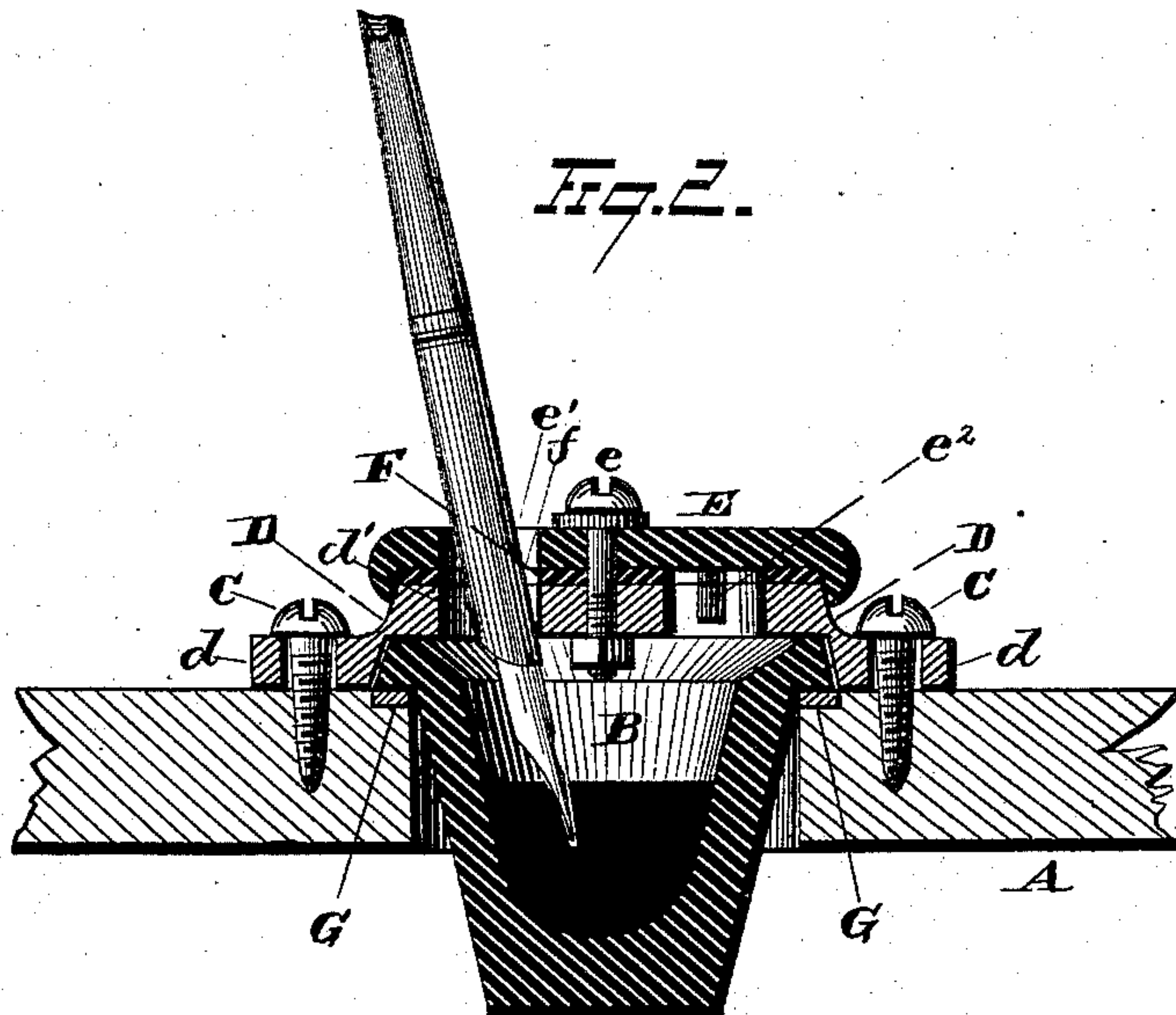


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE H. HENKEL, OF MIDDLETOWN, OHIO, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO JAMES P. CURTIS, OF SAME PLACE.

## IMPROVEMENT IN INK-WELLS FOR SCHOOL-DESKS.

Specification forming part of Letters Patent No. **219,399**, dated September 9, 1879; application filed  
July 15, 1879.

*To all whom it may concern:*

Be it known that I, GEORGE H. HENKEL, of Middletown, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Ink-Wells for School-Desks, &c.; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to ink-wells for school-desks, and for use in other similar localities where it is desired to secure a permanent ink-well; and consists in the novel construction and combination of parts hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a plan view, and Fig. 2 a sectional view, of a device embodying the principles of my invention.

A is a desk, provided with a hole for the insertion of an ink-well, B, of glass or other suitable material. C represents screws or studs, which may be two or more in number, though two are all that are necessary. D is a ring or cap adapted to set down over the edge of the ink-well, and is provided with hook-shaped ears *d*, which engage beneath the heads of the screws or studs C as the ring or cap is turned about its axis. E is a cover, pivoted at *e* to the cap D, so as to be freely turned about the said pivot. The cap D and cover E are provided, respectively, with holes *d*<sup>1</sup> and *e*<sup>1</sup>, through which the pen may be inserted or the well be filled with ink. F is a packing-disk, of rubber or equivalent material, provided also with a hole, *f*, corresponding with the hole *d*<sup>1</sup>. This packing serves to prevent evaporation between the cap and cover. A packing-ring, G, beneath the edge of the ink-well prevents evaporation through this channel.

The cover may or may not be provided with recesses or other thumb-catches, *d*<sup>2</sup>, whereby the cover may be readily rotated about its axis to open or close the ink-passage or pen-hole. So, also, the pivotal connection with the cap D may be of any suitable nature. Thus it may be a bolt and nut, as shown in the

drawings; or a stud or screw may project from the center of the cover E down through the center of the cap D, and be there provided with a nut, or be slightly rivet-headed, so as to permit the cover to be turned.

The operation of the device is obvious. A hole having been prepared, the ink-well is inserted in it, and the screws C driven in their proper locations. The cap D is then placed over the well and turned so as to engage with the screws C. The screws being then tightened the device is made a permanent fixture. When it is desired to have access to the ink, the cover is turned until the hole *e*<sup>1</sup> is over the hole *d*<sup>1</sup>. By turning the cover in the opposite direction the hole is closed; and a stud, *e*<sup>2</sup>, may serve as a stop to limit the motion of the cover.

If at any time it is desired to remove the ink-well for the purpose of cleaning or for any other reason, one or both the screws C may be slightly loosened, when the cap can be turned from beneath the screw-heads and disengaged therefrom.

This ink-well device will effectually prevent all evaporation of the ink when not in use, is easily engaged and disengaged for the purpose of cleaning, and it cannot get out of order.

What I claim is—

The combination, with an ink-reservoir, B, provided with an outwardly-projecting flange at its upper end, and a cap, D, having a hole, *d*<sup>1</sup>, and an elongated opening opposite hole *d*<sup>1</sup>, and furnished with lugs or ears *d*, constructed to extend downward flush with the lower surface of the flange on the ink-reservoir, and adapted to engage with screws C, of the cover E, centrally pivoted to cap D, and provided with hole *e*<sup>1</sup> and stop-pin *e*<sup>2</sup>, the latter extending down into the elongated slot in the cap, substantially as set forth.

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

GEORGE H. HENKEL.

Witnesses:

J. G. LUMMIS,

J. M. LA TOURETTE.