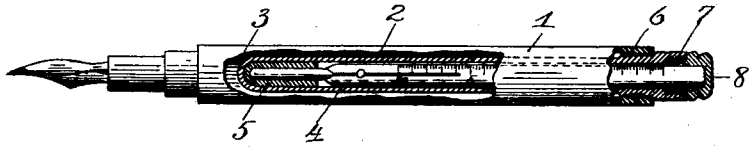
(No Model.)

A. P. HAFNER.

COMBINED THERMOMETER AND FOUNTAIN PEN.

No. 590,262. Patented Sept. 21, 1897.



Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

AUGUSTUS P. HAFNER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE CROWN PEN COMPANY, OF SAME PLACE.

COMBINED THERMOMETER AND FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 590,262, dated September 21, 1897.

Application filed January 12, 1897. Serial No. 618,955. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS P. HAFNER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Combined Thermometer and Fountain-Pen; 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 appertains to make and use the same.

My invention relates to the class of fountain-pens; and its object is to provide a combined fountain-pen and thermometer or a fountain-pen having two chambers substantially concentric, one of which may serve as an ink-reservoir and the other as a receptacle for a clinic-thermometer or similar article, the ink-reservoir having its usual function and also making a cushion for the inner receptacle and its contents.

The drawing forming part of the application illustrates my invention, the holder being represented as broken on different lines to show the manner of joining the separate reservoirs.

In the drawing, 1 represents the outer casing; 2, the inner receptacle; 3, the intervening space which receives the ink, and 4 a clinic thermometer lying in the receptacle 3, its end protected by the bored pad 5, which may be of any suitable material. Threaded joints are shown at 6 and 7, and it is obvious that the inner receptacle may be removed, thereby permitting the ready filling of the ink-reservoir, and it is also obvious that the article held by the receptacle 3 may be removed by unscrewing the head 8 of the article, in this instance a clinic-thermometer.

My invention may be viewed either as a fountain-pen having provision for the reception and protection of a delicate or fragile article, or as a casing having a liquid cushion surrounding a clinic-thermometer, the liquid being so placed that it may serve as a fountain-pen.

By this invention the best protection is obtained in the least possible space, and the related and indispensable articles may be combined.

Having fully described my invention, what I desire to secure by Letters Patent is—

A combined fountain-pen and clinic-thermometer having a casing, a receptacle lying within the casing, the receptacle having an enlarged end adapted to receive a cap to cover the end of the thermometer and to enable the thermometer to be removed at will, and means for removably securing the receptacle to one end of the casing, the means for securing the receptacle serving as a closure for the casing, so that the space between the casing and receptacle may serve as an ink-reservoir, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

AUGUSTUS P. HAFNER.

Witnesses:

WM. P. PORTER,

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