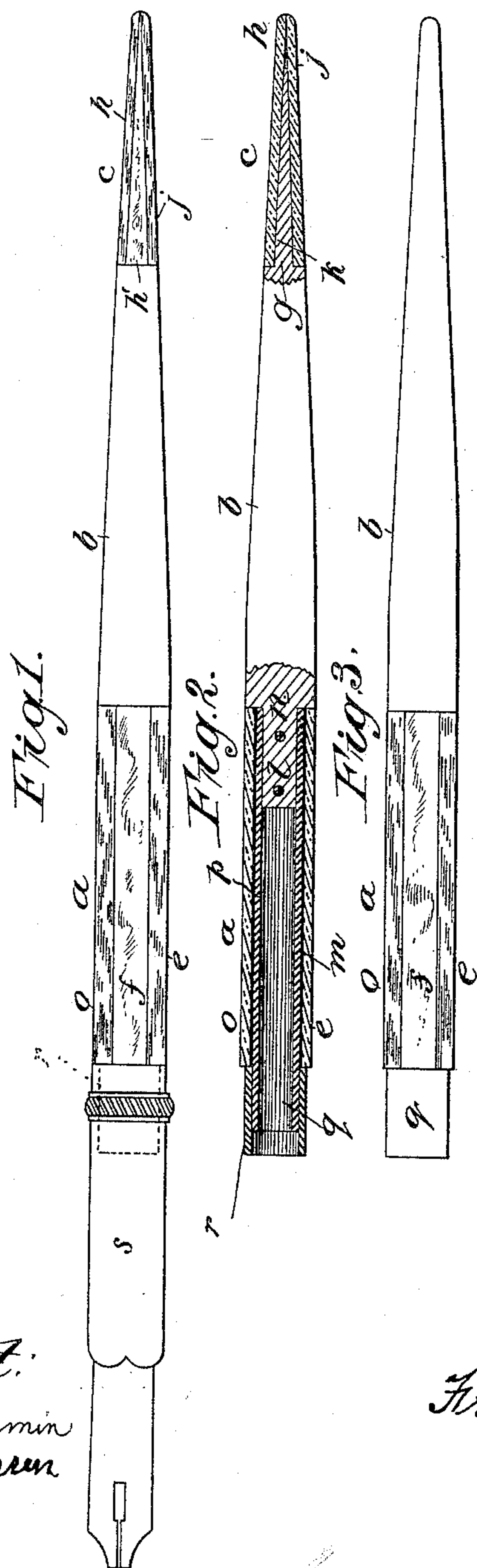


(No Model.)

F. J. KALDENBERG.
PEN HOLDER.

No. 446,646.

Patented Feb. 17, 1891.



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UNITED STATES PATENT OFFICE.

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PEN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 446,646, dated February 17, 1891.

Application filed April 12, 1890. Serial No. 347,713. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK J. KALDENBERG, a citizen of the United States, residing at Tarrytown, in the county of Westchester and State of New York, have invented a new and useful Improvement in Pen-Holders, of which the following is a full, clear, and exact description, reference being had to the drawings accompanying and forming a part of the same.

My invention relates to improvements in the manufacture of pen-holders of that class made of expensive material, as pearl, &c.; and the object of my improvement is to provide means whereby the small pieces of pearl, which heretofore have been of no value in the manufacture of pen-holders, may be utilized not only to produce a holder of equal superiority, but one of far greater beauty and ornamental finish.

In the ordinary manufacture of pen-holders out of pearl the handle has been made of a single solid piece of the required full length turned down to the proper shape. Now, it is well known in the trade that only about forty per cent. out of a case of pearl is available for making up into pen-holders, from the fact that only pieces of a certain length can be used. Consequently the manufacture of pearl holders is necessarily limited.

The purpose of my improvement is to provide a means for using up the shorter pieces of pearl for pen-holders—such pieces as have heretofore been considered useless for this purpose—thereby effecting a great economy in the use of this valuable and ornamental material. To accomplish this object, I form the pen-holder out of a short piece of solid pearl combined with slabs or thin pieces of pearl united together, using in the manufacture such pieces of solid pearl as have hitherto been valueless for this purpose.

In the accompanying drawings, which clearly illustrate the novel features of my improvement, Figure 1 is a side view of a pen-holder enlarged, showing the same composed of one solid piece of pearl combined with two sections formed out of slabs of pearl. Fig. 2 is a view, partly in elevation and partly in section, showing more fully the construction of the ends of the holder, and Fig. 3 is a

side view of a pen-holder composed of one solid piece of pearl combined with but one section made of slabs of pearl.

Where the required length of the pen-holder is attained by combining two formed sections with the solid piece of pearl, the very short pieces of pearl can be utilized for its center part.

Referring first to Figs. 1 and 2, the pen-holder is shown as composed of three parts united together, as *a*, *b*, and *c*. The central section *b* is of a single piece of pearl, and the two end portions *a* and *c* are made up of thin slabs of pearl united together. In the drawings these end sections are shown as composed of alternate strips of pearl of different shades or color, as a dark strip *e* and light one *f*, so that a beautiful effect is produced by the combination of contrasting colors.

In the construction of the holder the solid piece of pearl *b* is formed with a prolonged and reduced end portion *g*, tapering to a blunt tip, and on this reduced part are cemented thin slabs of pearl *h*, *i*, and *j*, being in number as many as are necessary to cover the same. These narrow slabs are fitted up closely to the shoulder *k* on the piece *b*. The opposite end of the pearl piece *b* is also provided with a reduced end portion *l*, on which is fitted a tube *m*, preferably made of metal, and which is secured thereto by one or more pins or rivets *n*. The tube is then covered by narrow slabs *o*, of pearl, the same being secured by means of cement. As a better method of fastening on the slabs, I prefer to interpose between the tube and slabs a strip of cloth or other suitable textile material *p*, which may also be cemented to the tube, or the strip may be wound around the same, and then the slabs cemented to the cloth. The tube *m* is made to project beyond the slabs to form an end *q*, on which is fitted a band or ring *r*, preferably made of metal, leaving still a reduced end portion to receive the nose *s*. After the holder is formed by the cementing on of the slabs it is then submitted to the action of a suitable grinding-machine until the surface throughout is made uniformly smooth and it is reduced to a perfect rounded shape.

In Fig. 3 is shown a pen-holder composed of a single piece of pearl with but one end

portion formed of the narrow slabs of pearl. In this case a longer piece of solid pearl must be used for the section *b*. The construction of the section *a* is the same as that heretofore described for Figs. 1 and 2.

Having now described the nature of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a pen-holder, a solid piece or section provided with a prolonged and reduced end, and a tube secured thereon and covered with narrow slabs, the said tube projecting be-

yond the slabs and fitted with an outside ring or band, as set forth.

2. The herein-described pen-holder, consisting of the main or solid piece having the reduced end and the long tapering end, slabs or pieces secured on said tapering end, a tube fitting on the other reduced end, and slabs or pieces covering said tube.

FREDK. J. KALDENBERG.

Witnesses:

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