

DANIEL M. SOMERS.

Pen-Holder Tips.

No. 127,113.

Patented May 21, 1872.

Fig. 1.

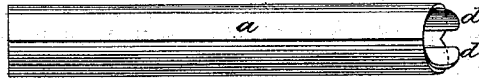


Fig. 2.



Fig. 3.



Fig. 4.

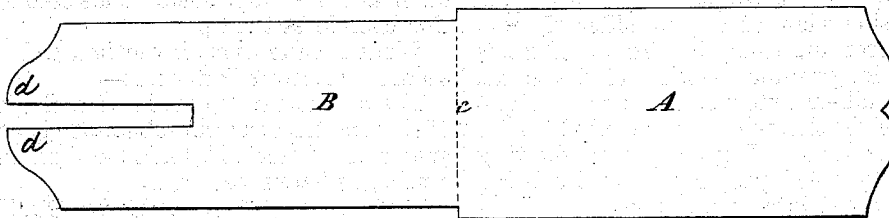
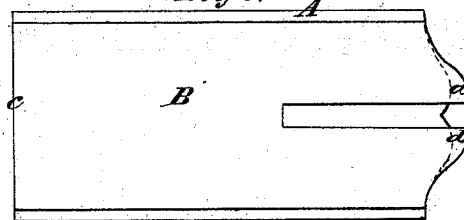


Fig. 5.



Witnesses:

Thos. Hughes
R. R. K. R. R.

D. M. Somers

UNITED STATES PATENT OFFICE.

DANIEL M. SOMERS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN PEN-HOLDER TIPS.

Specification forming part of Letters Patent No. 127,113, dated May 21, 1872.

Specification of an Improvement in Pen-Holder Tips, invented by DANIEL M. SOMERS, of the city of Brooklyn, in the county of Kings and State of New York.

This invention relates to what are known as barrel-tube pen-holder tips; and consists in the novel construction of such tip of a single piece of sheet metal, whereby its cost is reduced, partly by the reduction of the number of machines and mechanical manipulations necessary for its production, and partly by its being enabled, without detriment to its efficiency and durability, to be made of a quality of metal inferior to what is necessary for the manufacture of its two barrels separately from separate pieces of metal, and whereby, also, greater stiffness of the butt and security of the nib are obviated.

Figure 1, in the accompanying drawing, is an under-side view of a pen-holder tip constructed according to my invention. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a nib-end view of the same. Fig. 4 is a plan of the sheet-metal blank of which the holder is produced. Fig. 5 is a plan, showing the blank doubled preparatory to its being rolled or swaged into tubular form.

The single piece or blank of sheet metal A, of which the tip is formed, has the wider portion A, on one side of the transverse dotted line *c*, of a length, width, and form to pro-

duce, when rolled up into a tube, the outer shell *a* of the tip, and has the narrower portion B, on the other side of the said line *c*, of a length, width, and shape to produce, when rolled up into a tube, the inner shell *b* of the tip; or, in other words, the said blank has the said part A of the size and form of the one blank commonly provided to make the outer shell, and the said part B of the size and form of the other blank commonly provided to make the inner shell *b*.

The first operation necessary in the manufacture, after the blank has been cut to the size and shape above mentioned, is to fold the plate on the line *c*, bringing the part B flat against the part A; and the next operation is to swage or roll the doubled blank into the form of a tube, which, being double, makes both the outer and the inner shell. This second operation completes the tip.

What I claim as my invention, and desire to secure by Letters Patent, is—

The pen-holder tip made of a single blank of sheet metal, of a form substantially as herein shown and described, folded and formed into a tube, as herein set forth.

D. M. SOMERS.

Witnesses:

FRED. HAYNES,
W. MORRIS SMITH.