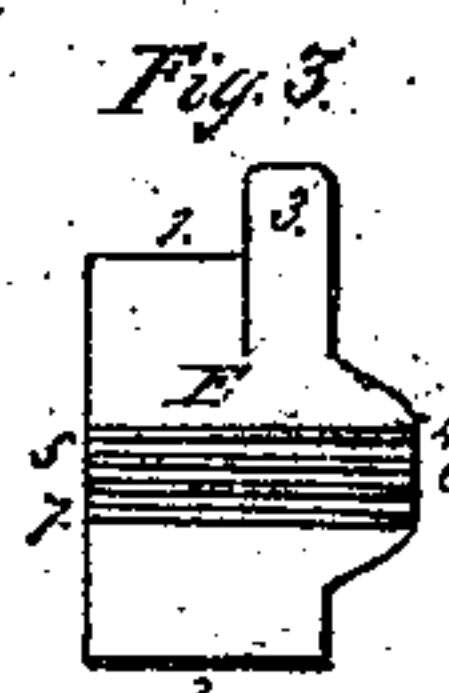
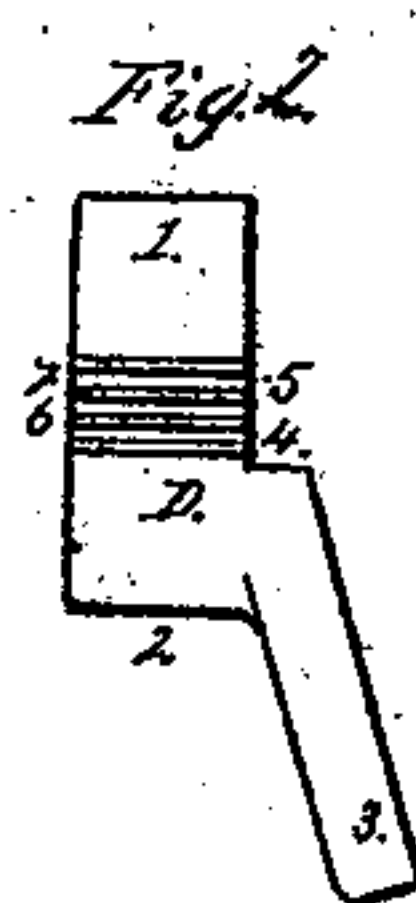
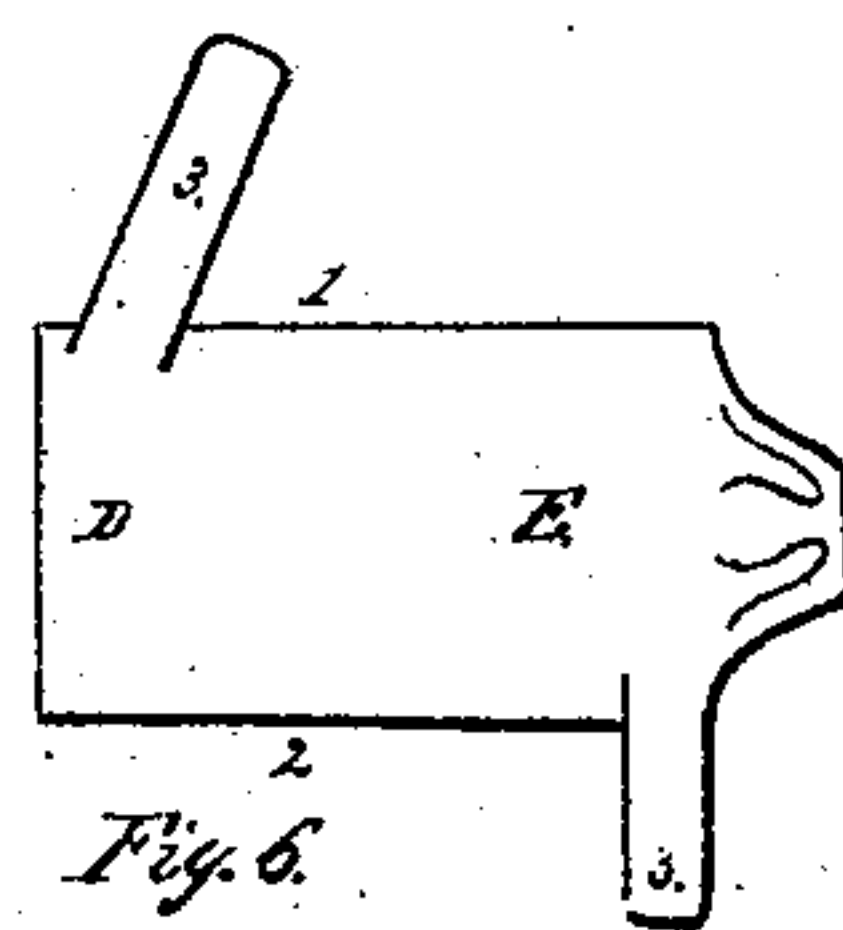
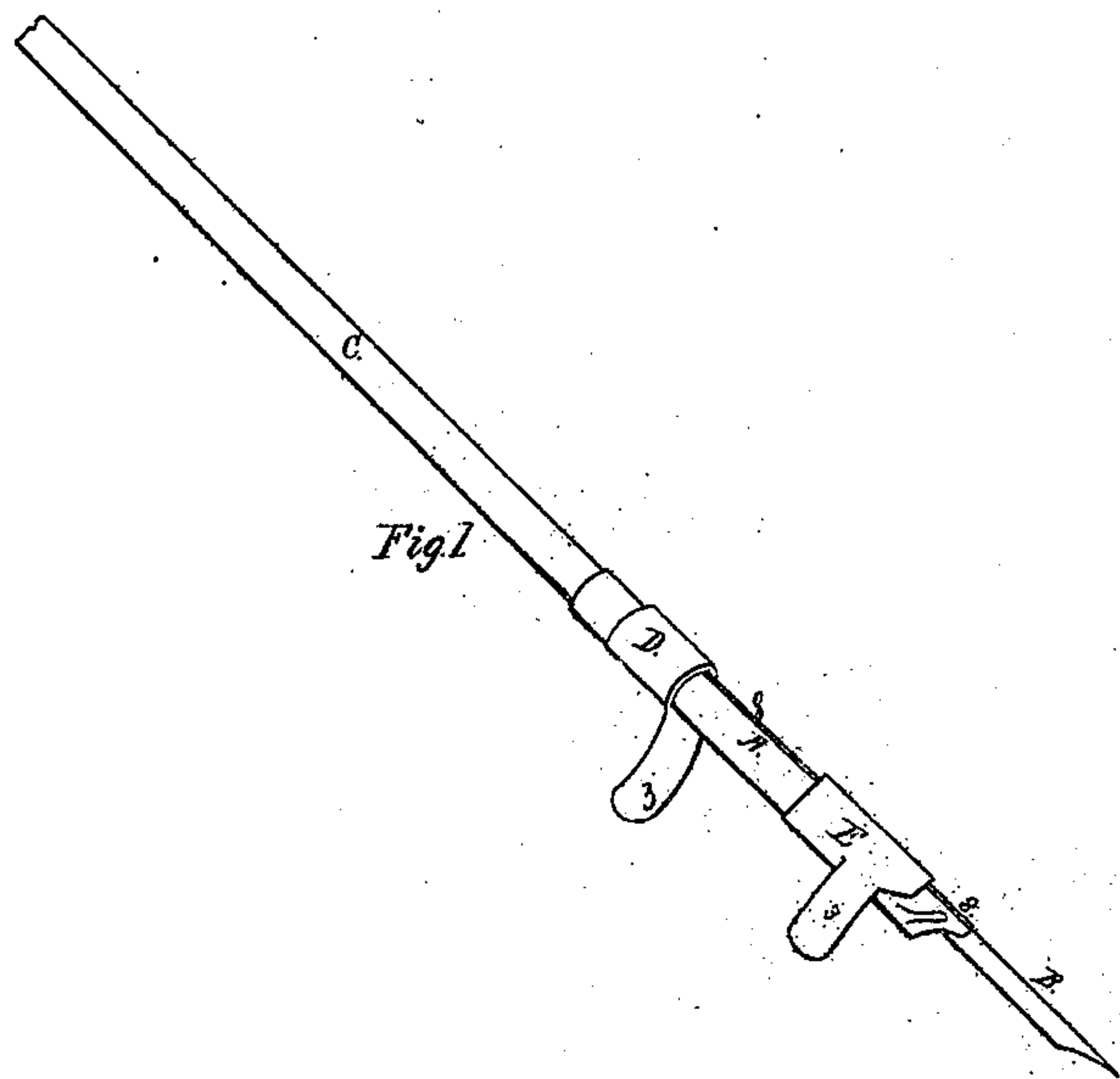


E. W. Hanson.
Pen Holder.

N^o 10,294.

Patented Dec. 6, 1853.



Witnesses.
John Cook
E. W. Hanson

Inventor.
E. W. Hanson

UNITED STATES PATENT OFFICE.

EBEN. W. HANSON, OF SPRING GARDEN, PENNSYLVANIA.

PENHOLDER.

Specification of Letters Patent No. 10,294, dated December 6, 1853.

To all whom it may concern:

Be it known that I, EBENEZER W. HANSON, of Spring Garden, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Penholders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a perspective view of a pen holder with the improvement applied. Figs. 2 and 3, are representations of the shape of the plates before being bent, and Figs. 4 and 5 of the same after being bent and adapted for sliding on to the barrel of the pen holder. Fig. 6, is a representation of a barrel plate, having the holds or rests of the same piece.

Like letters and characters refer to like parts in the different figures.

The nature of my invention consists in a peculiar mode of constructing a pen holder with thumb and finger rests, or in the application to the barrel of a pen holder, rests or holds for the thumb and middle finger, of a peculiar construction, whereby a better hold and a more easy and certain command of the pen is afforded.

In Fig. 1, A is the barrel, B the metallic pen, and C the handle or wooden extension of the barrel, both of which may be inserted, or attached to the barrel in any of the usual modes. D is the thumb hold or rest; E, the middle finger hold or rest. They are cut out of any suitable metallic plate and of such shape and size as may be the best adapted for the purpose. I usually cut the thumb rest in shape as shown by Fig. 2, and then bend it, bringing the two ends (1 and 2) together, so as to form a cylinder adapted to the size of the pen barrel, leaving the narrow projection (3) to be afterward slightly twisted and bent outwardly in a curve to suit the ball of the thumb, as shown in Fig. 4. The finger rest I usually cut in shape as shown in Fig. 3, and in like manner bring the two ends (1 and 2) together, and form thereof a cylinder adapted to the barrel of the pen holder, leaving the narrow

projection (3) to be also bent slightly in a curve to suit the ball of the finger, as shown by Fig. 5. These rests are made so as to be adjustable on the pen barrel, and may be soldered at the adjoining edges, and have several small grooves (4, 5, 6, 7) indented or cut on the inner side of the plates or cylinders and adapted to the corresponding ridge (8, 8) on the outer and upper side of the pen barrel. They are placed or slid upon the pen barrel, the ridge (8) on the barrel entering one of the grooves on the inside of the cylinder, so that the small projections (3, 3) may furnish a hold or rest for the thumb on one side and the finger on the other, adjustable to the most convenient and easy position, as shown in Fig. 1. To avoid the soldering and the necessity for the grooves (4, 5, 6, 7) the cylinders of the rests may be made to clasp the pen-barrel sufficiently to retain their proper position (from the elasticity of the metal), being left unsoldered at the adjoining edges, and made a little smaller in diameter than the barrel. The edges of these projections should be rounded off slightly, so as to allow the thumb and finger free motion on the curved surfaces. It will be perceived that these adjustable rests can be applied to almost any of the pen holders now in use, without any alteration of the barrel.

Another and cheaper mode of constructing my improvement is shown by Fig. 6, and consists of a barrel plate (D, E) with the narrow strips (3, 3) for the thumb and finger rests all cut out in one piece, the two side edges (1 and 2) being brought together and a cylinder or barrel formed as before described, leaving the two projections (3, 3) to be bent and twisted as before described, to suit the thumb and finger. A pen is inserted or attached at the proper end of this barrel and a wooden extension stick at the other and the instrument is completed.

The instrument, when used, is held in the usual manner between the thumb and finger, but with the thumb ball on the projection of the rest D, and that of the middle finger on the projecting rest E, with the forefinger on the top of the cylinder E.

I do not claim as my invention the prin-

ciple involved in the general application of thumb and finger holds or rests to the barrel of a pen holder.

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

The peculiar mode in which I construct and apply thumb and finger rests to pen holders—viz., I claim making the projecting part of the thumb and finger rests of an ob-

long or parallelogrammic form, so that they 10 shall cross the thumb and finger respectively when held for use, whether the rests be fixed or made adjustable.

EBENR. W. HANSON.

Witnesses:

J. M. COOK,

EMANL. G. VENNEN.