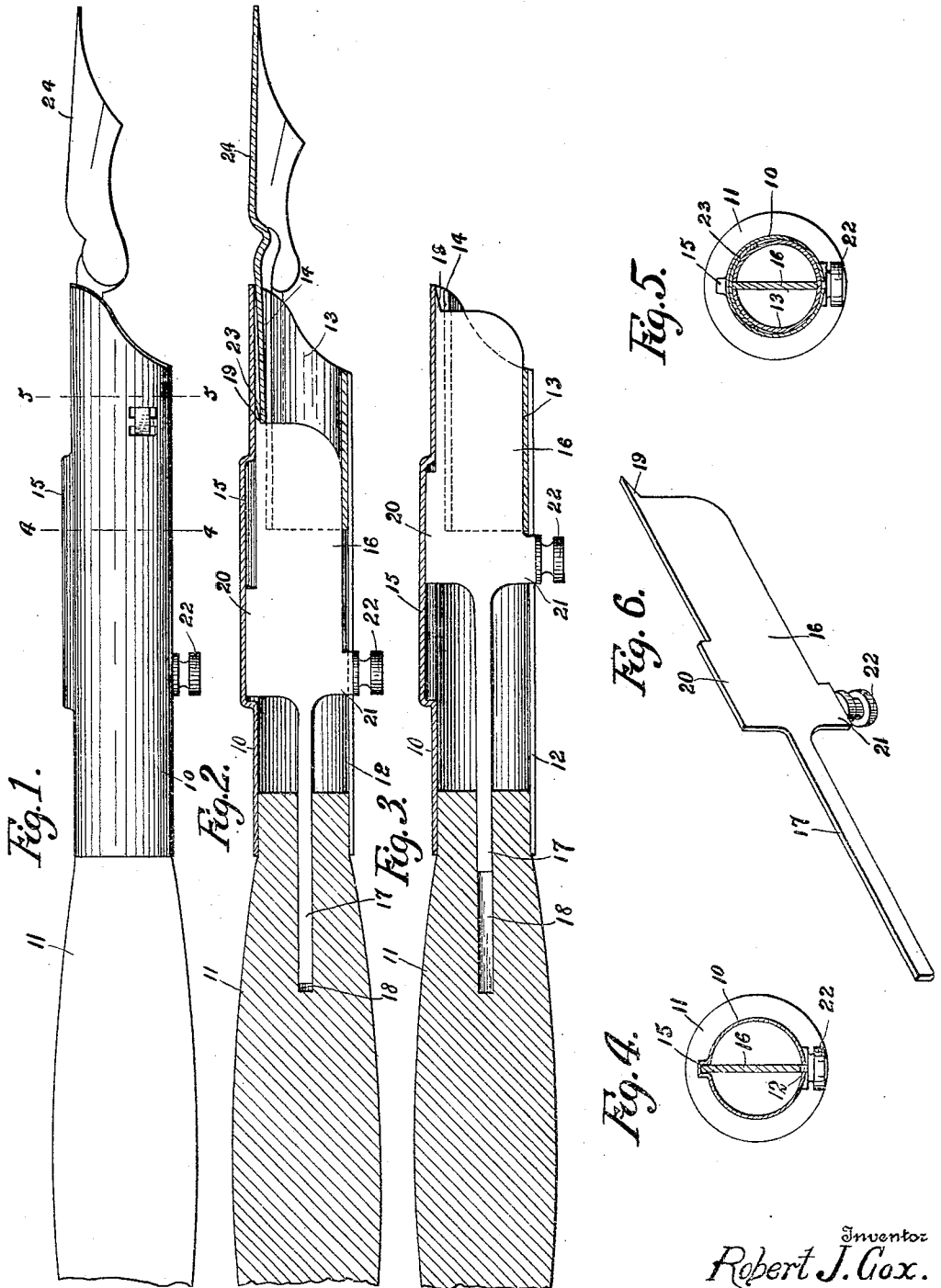


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PENHOLDER.

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PENHOLDER.

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To all whom it may concern:

Be it known that I, ROBERT J. Cox, a citizen of the United States, residing at Chaney, in the county of Ellis, State of Oklahoma, have invented certain new and useful Improvements in Penholders; 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.

This invention relates to pen holders, of the class wherein provision is made for ejecting the broken or impaired penpoints without soiling the fingers of the writer, and has for one of its objects to simplify and improve the construction and increase the efficiency and utility of devices of this character.

With this and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention. Figure 1 is a side elevation of the improved device. Fig. 2 is a longitudinal sectional view of the same with the pen point in position therein, the penpoint being likewise in section. Fig. 3 is a view similar to Fig. 1 with the parts in position that they will occupy after the pen point has been ejected. Fig. 4 is a transverse section on the line 4—4 of Fig. 1. Fig. 5 is a transverse section on the line 5—5 of Fig. 1. Fig. 6 is a perspective view of the movable ejector plate, detached.

The improved device comprises a ferrule 10 to which the handle 11 is connected at one end. The ferrule is provided with a longitudinal slit along its lower side as indicated at 12 and with a resilient pen point holding sleeve 13 in its outer end, the sleeve having a longitudinal slit indicated at 14 in its upper side, and secured in any suitable manner in the ferrule. The sleeve 13—14 is of the usual form employed in pen holders, and operates in the same manner and for the same purpose.

Formed in the upper face of the ferrule 10 is a longitudinal guideway 15, and slidably disposed within the ferrule is an ejector plate comprising a body 16, and a rearwardly extending guide stem 17, the latter fitting in a longitudinal guide socket 18 formed in the handle 11, as shown. The plate 16 is provided with a projecting point

19 at its forward end and with an upwardly directed fin 20 slidably engaging the guideway 15, while a smaller downwardly directed fin 21 projects through the slit 12 of the ferrule. The fin 21 is provided with a push button 22 projecting below the ferrule, as shown. The forward portion of the plate 16 operates in the slit or cavity of the sleeve 13, and the rear terminal 23 of the penpoint 24 is arranged between the point 19 and the upper surface of the sleeve 13, as shown in Fig. 2.

When the penpoint is to be inserted, the plate 16 is moved into its forward position, or into the position shown in Fig. 3, by force applied to the push button 22. The terminal 23 of the pen point is then inserted between the point 19 and the upper face of the sleeve 13 and the pen point forced rearwardly into the ferrule in the ordinary manner. This action moves the plate 19 into its rearward position, as shown in Fig. 2. The resiliency of the spring 13 holds the pen point firmly in position for writing, in the ordinary manner, so that the pen point is held in the same manner as in an ordinary pen holder, the plate 16 remaining quiescent or inoperative so long as the pen point is in writing condition. In event, however, of the pen point becoming broken or impaired, the writer simply forces the push button forwardly, which action carries the plate 16 with it through the ferrule and ejects the pen point. Then a new pen point is inserted as above described, and the pen holder is in condition for further action. By this simple means the fingers of the writer do not come in contact with the pen point and are not soiled by the ink thereon.

The improved device is simple in construction, can be inexpensively manufactured, and applied without material structural changes to pen points of various makes.

What is claimed is:—

1. In a device of the class described, a pen stock provided with a longitudinal guideway, a ferrule connected to said stock and having a longitudinal guideway, an ejector plate slidable in said ferrule and having a pen slidable in said stock guideway, and a guide fin engaging in said ferrule guideway.
2. In a device of the class described, a ferrule having a longitudinal guideway, a resilient split sleeve carried by said ferrule, an ejector plate slidable in said ferrule and having a guide fin engaging in said guide-

way, said ejector plate engaging in the split of the sleeve and provided with a projecting point between which and the sleeve a pen point is adapted to be inserted.

- 5 3. In a device of the class described, a ferrule having a longitudinal guideway and a longitudinal slot, a handle having a longitudinal cavity and connected to said ferrule, a resilient split sleeve carried by said ferrule,
10 an ejector plate slidable in said ferrule and having a guide fin engaging in said guideway and a guide fin projecting through said

longitudinal slot, a push button carried by the projecting fin, a guide stem operating in the guide cavity of the handle, and a pen point engaging projection extending forwardly of the plate.

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

ROBERT J. COX.

Witnesses:

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