

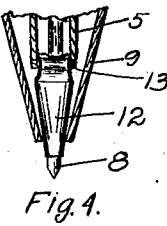
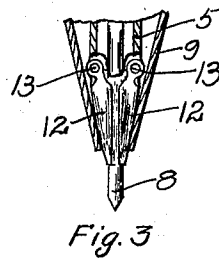
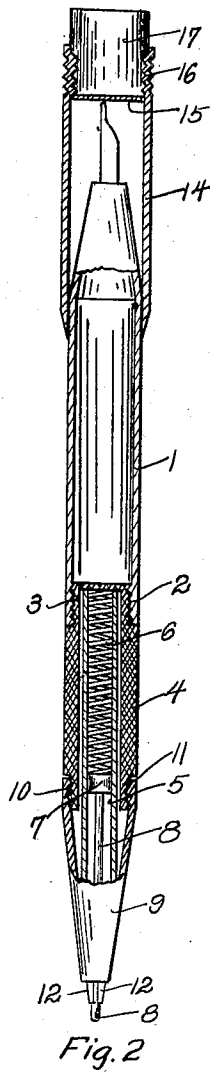
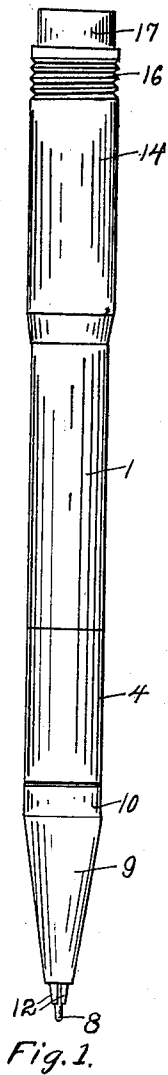
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J. F. DAY

COMBINED FOUNTAIN PEN AND PENCIL

Filed Oct. 9, 1920



J. F. Day.  
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# UNITED STATES PATENT OFFICE.

JOSEPH F. DAY, OF PITTSBURGH, PENNSYLVANIA.

COMBINED FOUNTAIN-PEN AND PENCIL.

Application filed October 9, 1920. Serial No. 415,721.

*To all whom it may concern:*

Be it known that I, JOSEPH F. DAY, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Combined Fountain Pens and Pencils, of which the following is a specification.

This invention relates to writing instruments, and more particularly to a combined fountain pen and pencil.

One of the main objects of the invention is to provide a device of the character stated of simple construction and neat appearance having simple and efficient means for carrying a pencil eraser. A further object is to provide simple and efficient means whereby a pencil member may be readily attached to a fountain pen thus providing a combined pen and pencil writing instrument. Another object is to provide a pencil member of simple and efficient construction having simple and efficient means for feeding or projecting a stick of graphite as the same is worn away. Further objects will appear from the detailed description.

In the drawings:

Figure 1 is a side view of an instrument constructed in accordance with my invention.

Figure 2 is a central longitudinal sectional view of the instrument, the pen and pencil members being shown in elevation.

Figure 3 is a detail of one of the clamping jaws and associated parts.

Figure 4 is a detail of the clamping jaws and associated parts taken at right angles to Figure 3.

A fountain pen 1 of any preferred or suitable type is provided at one end with a threaded collar 2 which receives stud 3 provided at the inner end of a cylindrical member or body 4. This member is provided with an axially disposed tubular member 5 forming a bore in the upper portion of which is mounted an expansion coil spring 6 the outer end of which bears against a disc 7 slidable in the bore. This disc presses against the inner end of a stick 8 of graphite which normally projects beyond the outer end of member 4 to provide a writing point. The outer end portion of member 4 receives a conical sleeve 9 provided at its inner end with an interiorly threaded collar 10 which threads onto a co-operating threaded collar 11 of member 4. A pair of gripping or

clamping jaws 12 are hinged to the lower end of member 5 at opposite sides thereof, at 13. These jaws are adapted, when forced toward each other, to tightly grip the graphite stick 8 so as to secure the same against outward movement. By adjusting sleeve 9, the jaws 12 may be released or forced into clamping engagement with stick 8, as desired, thus permitting ready adjustment of the writing point. As will be understood, spring 6 acts to force stick 8 outwardly, and outward movement of the stick during the setting or adjusting operation may be limited by the finger, as will be appreciated.

To protect the point of pen 1 I provide a cap 14 which is secured on the pen either frictionally, or by screw threads, as preferred. This cap is provided adjacent to its outer end with a web 15, and with an interiorly threaded collar 16 beyond this web. This collar receives a rubber or pencil eraser 17 which is threaded therein. This provides simple and efficient means whereby the instrument may be readily converted into a pencil, the eraser 17 being readily available for use. In addition, by providing the member 4 and associated parts, a fountain pen of standard construction may be readily converted into a combined pen and pencil.

What I claim is:—

1. In a writing instrument, a tubular member, a writing stick slidable in said member, gripping jaws hinged at their inner ends to the outer end of said member and freely movable toward and away from each other, means for forcing the jaws toward each other for gripping the stick, and means for forcing the stick outwardly of the tubular member.

2. In a writing instrument, a tubular member, a writing stick slidable in said member, two opposed gripping jaws hinged at their upper inner end to the outer end of said member and freely movable toward and away from each other, means for forcing the stick outwardly of the tubular member, and removable means for forcing said jaws toward each other.

3. In a writing instrument, a body, a tubular member mounted in the body, a writing stick slidable in said member, two opposed gripping jaws hinged at their upper inner end to the outer end of said member and freely movable toward and away from each other, means for forcing the stick outwardly of the tubular member, and an out-

wardly tapering sleeve threaded upon the body, the outer end of the sleeve fitting about the jaws and the jaws, when in operative position, diverging toward the tubular member.

5 4. In a writing instrument, a body, a tubular member mounted in the body and projecting beyond the same, a writing stick slidable in said member, opposed gripping jaws  
10 hinged at their inner ends to the outer end

of the tubular member, said jaws diverging toward the tubular member and the writing stick passing between the jaws, and a sleeve threaded onto the body and having an outer outwardly tapering portion fitting about the jaws for forcing the jaws toward each other when said sleeve is screwed onto the body.

In testimony whereof I affix my signature.

JOSEPH F. DAY.