

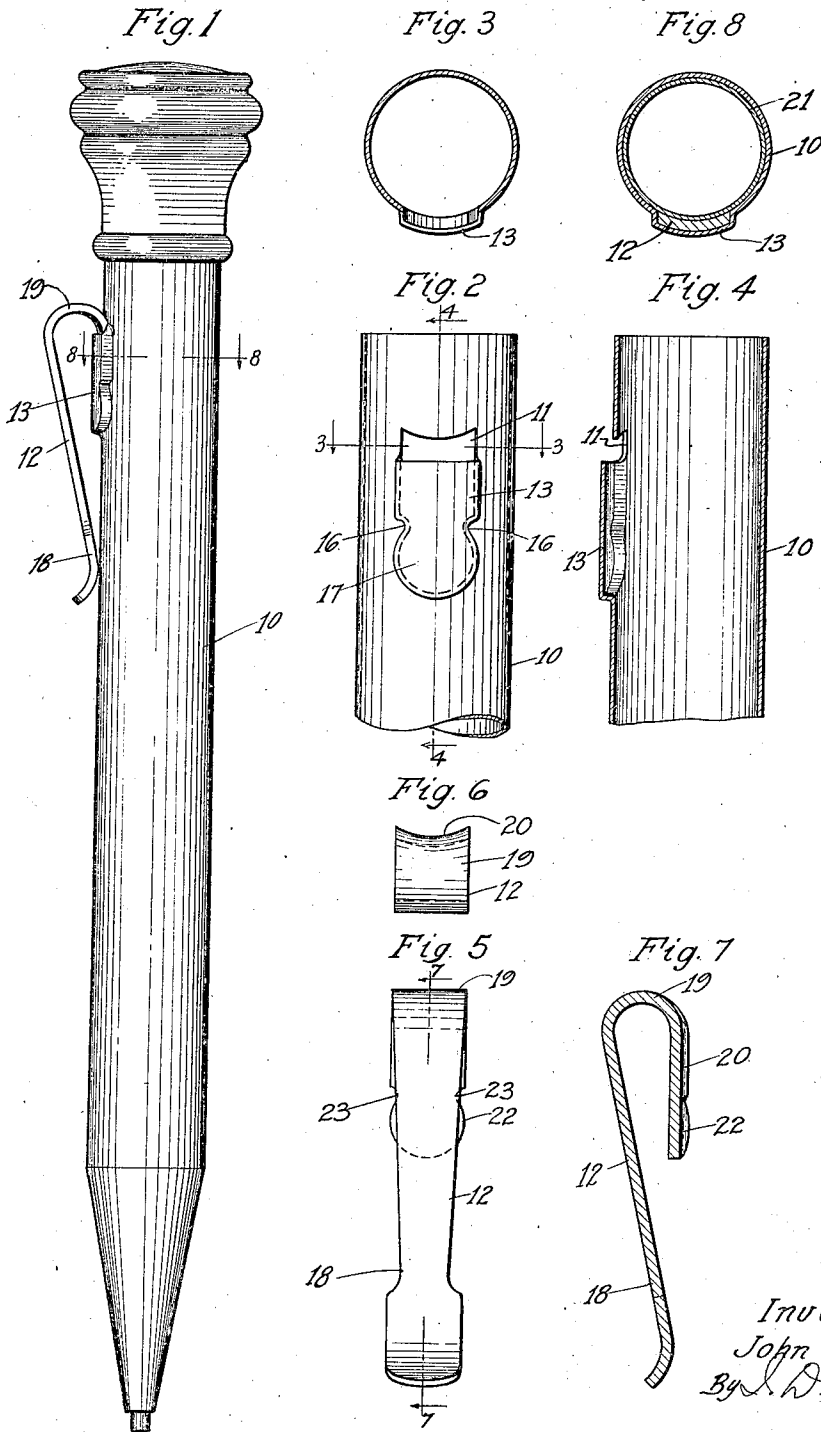
Aug. 28, 1923.

1,465,957

J. C. WAHL

CLIP FOR MECHANICAL PENCILS

Filed April 13, 1922



Inventor:  
John C. Wahl  
By *D. Lefft*,  
Attorney

# UNITED STATES PATENT OFFICE.

JOHN C. WAHL, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WAHL COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE.

## CLIP FOR MECHANICAL PENCILS.

Application filed April 13, 1922. Serial No. 552,093.

*To all whom it may concern:*

Be it known that I, JOHN C. WAHL, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Clips for Mechanical Pencils, of which the following is a specification.

My invention relates to improvements in devices for holding pencils in the pocket, and has for its object to provide a cheap, simple, reliable, and desirable clip whereby a pencil may not only be held securely in the pocket but may be available at all times for instant use.

Another object of my invention is to eliminate soldering, riveting, or any other means generally used to permanently affix a clip to the pencil body. Through experience it has become recognized that the portion of the clip immediately adjacent the portion attached to the pencil barrel suffers the full strain when the prong of any resilient clip is forcibly moved away from the barrel in order that the edge of the pocket of a garment may be inserted between the pencil barrel and the prong to prevent the pencil from becoming lost, consequently the frequent fastening of the pencil to the garment in every day use weakens that part of the clip and it will eventually break. My improved clip eliminates this fault entirely.

The invention is fully disclosed in the following specification of which the accompanying drawings form a part.

Referring to the drawings:—

Fig. 1 is a plan view of a mechanical pencil embodying my improved clip,

Fig. 2 is a view of that part of the pencil barrel in which is impressed the seat for the clip,

Fig. 3 is a cross sectional view taken on the line 3—3 of Fig. 2,

Fig. 4 is a cross sectional view on the line 4—4 of Fig. 2,

Fig. 5 is a plan view of the clip,

Fig. 6 is a top plan view of Fig. 5,

Fig. 7 is a sectional view along the line 7—7 of Fig. 5, and

Fig. 8 is a cross sectional view on the line 8—8 of Fig. 1.

In the drawings, 10 indicates a metal barrel of the ordinary mechanical pencil now in general use, having a transverse incision 11 cut therein, the thickness and width of

the incision being such as to receive the clip 12 hereinafter to be described. Clip seat 13, of a conformation such as shown in Figs. 1 and 2, is formed in the barrel by embossing the barrel immediately below the incision 11, the general outline of the embossing being curved inwardly to form the indentations 16; the lines then curve outwardly and come together by forming the circular shaped portion 17. A metal clip 12, having a prong 18 which is adapted to press against the body portion of the barrel when the clip is affixed to the pencil, is provided, said clip being bent to form the loop 19, the base 20 of the clip being fashioned to conform with the clip seat 13 in the pencil barrel.

An inner sleeve commonly used in all modern pencils, is adapted to be placed in the barrel 10.

The manner of assembling is as follows:—

After the incision 11 has been cut in the barrel and the clip seat 13 stamped therein, the base 20 of the clip 12 is passed through the incision 11 until the circular portion 22 of the base engages the correspondingly shaped impression 17 in the barrel. The indentations 23 of the clip base will engage the indentations 16 of the clip seat 13 and that part of the base of the clip immediately above the indentations 23 will rest in that space formed in the clip seat immediately between the indentations 16 thereon and the incision 11.

When the base of the clip engages the clip seat 13 in the barrel, the forward end of the prong 18 presses against the barrel 10. It will be noted that the clip seat 13 formed in the barrel 10 is pressed out of alignment with the general contour of the barrel a distance approximately equal to the thickness of the base 20 of the clip 12, thus causing, when the clip base 20 of the clip 12 is engaged with the clip seat 13, a smooth surface of the inner wall of the barrel 10. After the base of the clip is positioned within the clip seat in the barrel 10, the inner barrel 21 is inserted in the outer barrel 10, the inner barrel being dimensioned to conform with the inner face or wall of the barrel 10, and held therein by friction engagement or permanently affixed thereto by any ordinary means. When the inner barrel is inserted in the outer barrel 10, it locks the clip base 20 of the clip 12 in the clip seat, and due to the fact that the diameter of the circular

end portion 22 of the clip base is greater than the distance between the indentations 16 in the clip seat, the clip cannot become detached from the pencil.

5 While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

10 Having described my invention, what I claim as new and desire to secure by Letters Patent is:

15 1. In a pencil, in combination, a hollow metal body provided with a transverse incision therein and a clip seat adjacent thereto, fashioned by outward impress of the

metal body to form a clip seat, its longitudinal sides being laterally offset intermediate its length to form locking lugs, and a clip, its seating portion fashioned for entry through the incision and for conformatory seating and interlock in the clip seat in the metal body.

2. In a pencil, in combination, a hollow metal body provided with a transverse incision therein and a clip seat adjacent thereto, and provided with an outward impress, its side portions being offset to form locking lugs, a clip, its seating portion fashioned for entry through the incision and for conformatory seating in the clip seat in the metal body, and an interior holder member adapted for snug seating relation with the seating portion of the clip.

In witness whereof, I have hereunto subscribed my name.

JOHN C. WAHL.