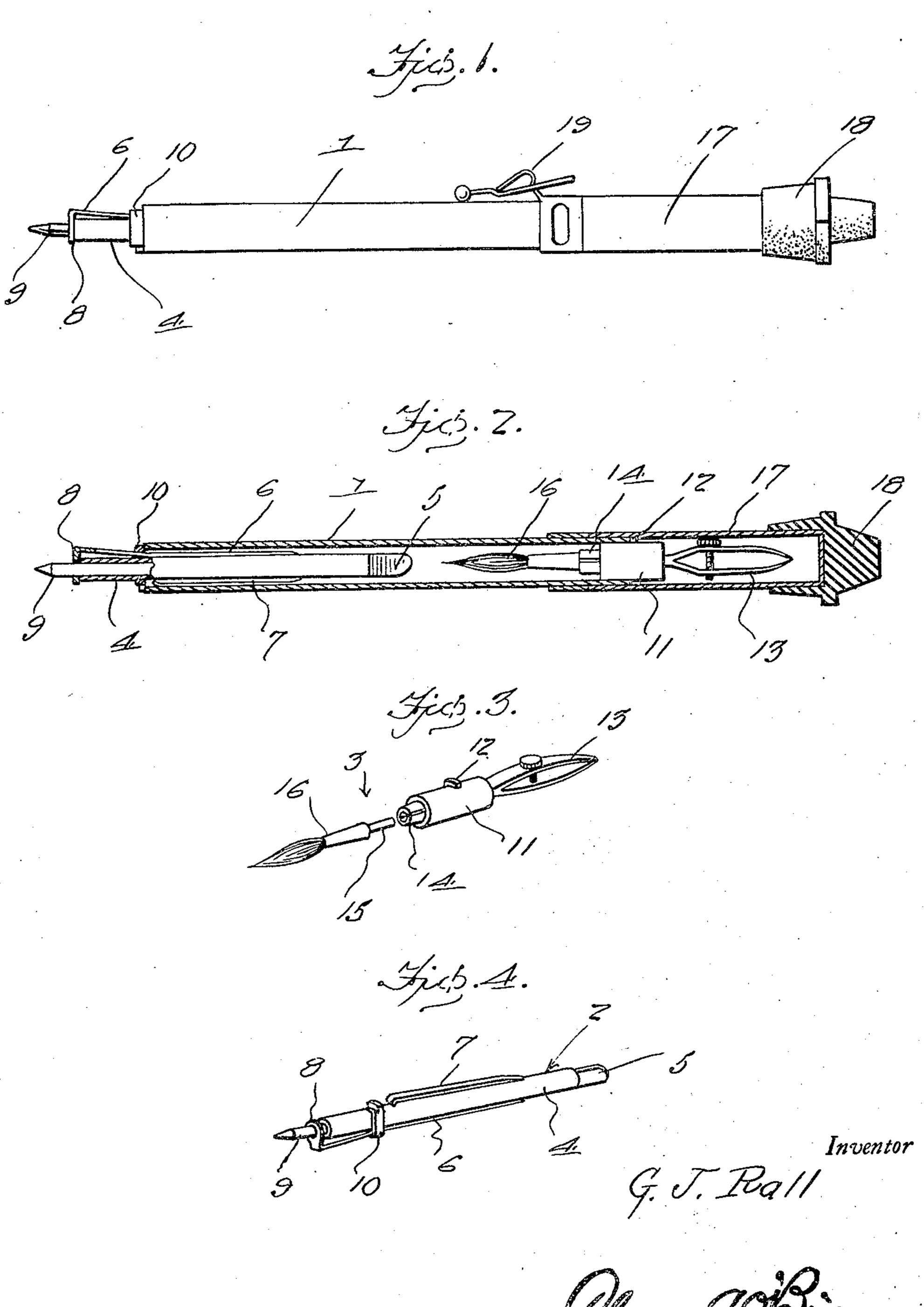
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COMBINATION IMPLEMENT

Filed March 13, 1928



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## UNITED STATES PATENT OFFICE.

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COMBINATION IMPLEMENT.

Application filed March 13, 1928. Serial No. 261,382.

The present invention relates to improve-5 simple in construction and the parts so ar- metrically opposite points and extending implements whenever necessary.

strument of the above mentioned character formed with the laterally disposed eye por-15 either end of the barrel.

A further object is to provide a compound Thus the eye portion 8 provides a clutch which is strong and durable and otherwise tion for writing. well adapted for the purposes for which it 20 is designed.

the accompanying drawing.

25 In the accompanying drawing, forming a part of this application and in which like numerals designate like parts throughout the several views:

Figure 1 is a side elevation of the com-30 pound instrument embodying my invention, the pencil being shown in position for use. Figure 2 is a longitudinal sectional view

through the instrument.

Figure 3 is a detail perspective view of 35 one of the units including a ruling pen and a brush, the brush being shown detached from its holder, and

Figure 4 is a similar view of the other unit and includes a pencil and a knife blade.

In the drawing, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates an elongated barrel, that is preferably formed of metal, the same being op-45 ened at its respective ends. Furthermore, this barrel is of substantially the same diameter throughout its entire length. Removably fitted in one end of the barrel 1 is the unit 2, the unit 3 being removably fitted in the opposite end of the barrel. The unit 2 includes a tubular shank 4, that is opened at one end, the other end of said shank being closed and having a knife blade 5 formed thereon and extending outwardly 55 therefrom as clearly shown in Figures 2 and is carried by the outer end of the cap. 4 of the drawings.

A pair of spring arms 6 and 7 respectively ments in implements particularly used by are secured at one end to the outer side of draftsman and has for its principal object the shank 4, adjacent the closed end thereof, to provide a compound instrument that is these spring arms being arranged at dia- 60 ranged as to permit the use of the various forwardly along the shank. The spring arm 6 is of greater length than the complemen-One of the important objects of the pres- tary spring arm 7 and extends beyond the ent invention is to provide a compound in- forward open end of the shank 4 and is 65 that includes an elongated barrel having in- tion 8 that is adapted to cooperate with the dependent units interchangeably fitted in open end of the shank to receive the lead the respective open ends of the barrel, a clo- 9 and due to the resiliency of the spring sure cap being removably associated with arm 6, the same has a tendency to move out- 70 wardly with respect to the shank 4.

instrument of the above mentioned character for positively supporting the lead 9 in posi-

A band 10 extends around the shank 4 75 adjacent the open end thereof and encloses Other objects of the invention will become the spring arm 6 in the manner as clearly apparent as the nature of the invention pro- shown in the drawing. Furthermore, this ceeds and when taken in connection with band 10 abuts the adjacent end of the barrel 1, when the pencil portion of the unit 2 is 80 in use, as clearly illustrated in Figure 2.

The spring arm 7 terminates inwardly of the band 10 and is adapted to frictionally engage with the inner wall of the barrel 1, whereby to hold the shanks 4 in a rigid s5 manner in one end of the barrel.

It is readily obvious that by removing the unit 2 and inserting the pencil end of the unit in the barrel, the knife blade 5 may be exposed for use.

The other unit 3 that is removably fitted in the opposite end of the tubular barrel 1 comprises a sleeve 11 that it of such size as to snugly fit in the end of the barrel. This sleeve is formed at a point, interme- 95 diate its ends with the laterally disposed lugs 12 that provide stops for engagement with the outer edge of the barrel, in the manner as clearly shown in Figure 2. A draftsman's ruling pen 13 of any well known 100 construction is carried by one end of this sleeve 11, while extending from the opposite end of the sleeve is the socket 14 for removably receiving the shank 15 of the brush element 16.

When the ruling pen is exposed with respect to the barrel, the brush is confined in the barrel, and vice versa. A tube like cap 17 is slidably and removably fitted over either end of the barrel. A rubber eraser 18 110

A spring clip 19 of any well known con-

struction is also carried by the barrel, whereby the instrument can be held in position in the pocket against accidental displacement therefrom.

The cap 17 may be disposed on either end of the barrel depending upon which unit is to be used, and furthermore, each unit includes two independent implements that can be readily placed in position for use, when-10 ever necessary without the loss of any con-

siderable length of time or labor.

tioned character will enable several imple- manner. ments to be incorporated in a single struc- 2. In a compound instrument of the class 15 ture, so that the same will at all times be described, an elongated barrel, the same beat hand for use whenever necessary, and the ing open at one end, a shank open at one

20 tioned character will be compact, and yet of other end thereof, said spring arms engag-

25 at a very low cost.

claims.

Having thus described my invention, what arms.

I claim as new is:

1. In a compound instrument of the class ture. described, an elongated barrel, the same being open at one end, a shank open at one

end and adapted for disposition in the open end of the barrel, a pair of spring arms secured at one end to the shank adjacent the 40 other end thereof, said spring arms engaging the barrel to frictionally hold the shank therein, a lead for disposition in the open end of the shank, one of the spring arms projecting beyond the open end of the shank, 45 a laterally disposed eye portion formed on the outer end of said last mentioned spring arm for engagement with the projecting end A compound instrument of the above men- of the lead to hold the same in clutched

parts are so arranged as to permit any one end and adapted for disposition in the open of the implements to be brought into use. end of the barrel, a pair of spring arms se- 55 A compound instrument of the above men- cured at one end to the shank adjacent the such construction as to enable the same to be ing the barrel to frictionally hold the shank properly and easily handled for use, in an therein, a lead for disposition in the open efficient manner. Also, a compound instru- end of the shank, one of the spring arms 60 ment of this character can be manufactured projecting beyond the open end of the shank, a laterally disposed eye portion formed on While I have shown the preferred embodi- the outer end of said last mentioned spring ment of my invention, it is to be understood arm for engagement with the projecting end that minor changes in the size, shape, and of the lead to hold the same in a clutched man- 65 arrangement of parts may be resorted to, ner, and a band encircling the shank adjacent 30 without departing from the spirit of the the open end thereof for engagement with invention and the scope of the appended the adjacent end of the barrel, said band extending around the longer of the spring

In testimony whereof I affix my signa-

GLEN J. RALL.