Aug. 9, 1932. K. PLATZER 1,870,924

STAND ATTACHMENT FOR FOUNTAIN PENS

Filed Oct. 22, 1931

Fig. 1

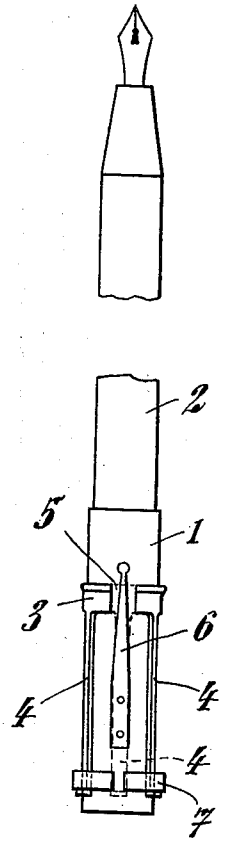


Fig. 2

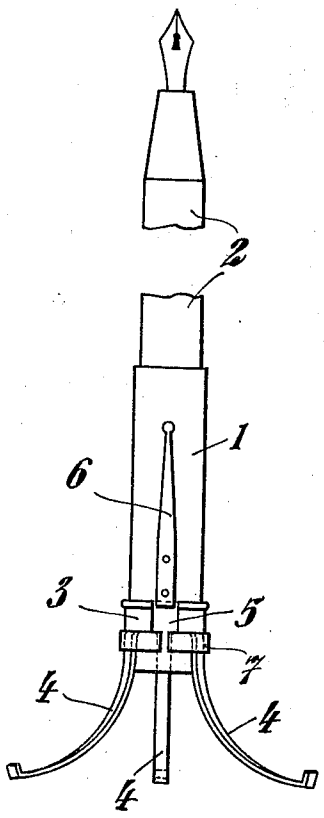


Fig. 3

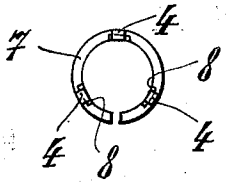
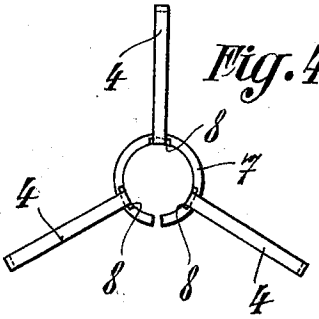


Fig. 4



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UNITED STATES PATENT OFFICE

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STAND ATTACHMENT FOR FOUNTAIN PENS

Application filed October 22, 1931, Serial No. 570,462, and in Austria October 27, 1930.

This invention relates to a stand attachment for fountain-pens which can be very easily fitted to the pen, and which is capable of being opened out by a single operation, thus enabling the pen to be stood upright with the nib pointing upwards.

Devices for this purpose have already become known which consist essentially of arms of equal length which are articulated to the cap of the fountain-pen, and which can be hinged apart to form a stand when desired, and otherwise lie flat against the surface of the cap. This form of construction requires articulated jointing of the parts and the manual operation of each of the arms of the stand separately.

The stand attachment provided by the present invention consists essentially of a ring with outwardly sprung arms projecting therefrom in a direction substantially at right angles to its mid-plane, which sprung arms are guided in notches on the inside of a second ring fitted to the cap of the fountain-pen.

One form of the invention is shown, by way of example, in connection with a fountain-pen, in the accompanying drawing, in which:—

Figs. 1 and 2 show a fountain-pen with the stand attachment fitted, with the stand in the inoperative and in the operative position, respectively, in elevation.

Figs. 3 and 4 show the corresponding inverted plan views of the stand attachment alone.

Referring to the drawing, the cap 1 of the fountain-pen 2 is fitted with a freely slidable ring 3 provided in the present instance with three arms 4. The ring 3 and the arms pertaining thereto are made in one piece, and are preferably stamped out of thin sheet steel, e. g. watch-spring steel. The blank thus obtained is then rolled cylindrically and, after the arms have been bent outwards (cf. the position in which they are shown in Fig. 2), finally hardened. In the present case the ring 3 is not closed, but is provided with a gap 5 so that it can evade and pass by the usual fountain-pen clip 6 which serves for the attachment of the pen to the edge of the coat pocket.

Over the ends of the arms 4 there is fitted a slotted ring 7 preferably of the same material as the ring 3. This ring 7 is provided on its inner periphery with notches 8 which correspond to the relative positions of the arms 4 and into which these arms can just fit. The diameter of the ring 7 is such that it can be fitted with tension over and grips the cap 1 of the fountain-pen. The outer ends of the arms 4 are bent over at an angle.

The complete stand attachment which, as will be seen, consists merely of two stamped-out and sprung parts, is fitted to the fountain-pen in the following manner. The ends of the arms 4 are compressed together and allowed to expand within the ring 7 so that each of the arms fits into one of the notches 8. The whole attachment thus assembled is then slid, with the ring 3 first, over the end of the cap 1 until it assumes the position shown in Fig. 1, the ring 7 being thereby somewhat expanded. In this condition the fountain-pen can be used as usual for writing.

In order to adapt the pen for standing it is then merely necessary to slide the ring 3 towards the ring 7 until these two rings come into contact with each other. The arms 4 thus liberated spring outwards under their inherent tension into the position in which they are shown in Fig. 2, and thus form a tripod stand by means of which the fountain-pen can be stood upright on the table.

When the ring 3 is pushed back into its initial position the returned ends of the arms 4 limit the extent of this sliding movement, so that the two parts of the attachment cannot be separated from each other as long as they remain fitted to the pen.

I claim:—

1. A stand attachment for fountain-pens comprising a ring adapted to slide upon the cap of a fountain-pen, a plurality of outwardly sprung arms projecting from the said ring substantially at right angles to the mid-plane thereof, a second ring adapted to be fitted tightly over the cap of the said foun-

tain-pen, and recesses in the said second ring adapted to be engaged by the said arms.

2. In a stand attachment as claimed in claim 1 the said recesses being notches in the inner periphery of the said second ring and adapted to be engaged by the said arms.

3. A stand attachment as claimed in claim 1 in which the said arms are at least three in number, and in which the said arms and the said first ring are formed of a single piece of spring steel.

4. In a stand attachment as claimed in claim 1 a gap in the said first ring for the purpose of enabling the said ring to pass by a pocket clip attached to the said cap.

5. A stand attachment as claimed in claim 1 in which the outer ends of the said arms are bent outwards at an angle to form feet.

In testimony whereof, I affix my signature.

ING. KARL PLATZER.