

PATENT SPECIFICATION



Application Date: June 11, 1929. No. 17,962/29.

330,144

Complete Left: Feb. 28, 1930.

Complete Accepted: June 5, 1930.

PROVISIONAL SPECIFICATION.

Improvements in or relating to Rests for Pens, Pencils or the like.

We, CONWAY STEWART & COMPANY LIMITED, a British Company, of 75/82, Shoe Lane, London, E.C. 4, and JAMES JEFF, of 116, Park Avenue, Bush Hill Park, Middlesex, a British Subject, do hereby declare the nature of this invention to be as follows:—

This invention relates to rests for pens, pencils, or the like and refers more particularly to rests of the kind comprising a tubular member into one end of which the nib end of the pen is adapted to be inserted, said tubular member at its other end being pivoted to a suitable base.

The object of the invention is the provision of an improved rest of this kind and the invention consists broadly in the arrangement according to which said tubular member is pivoted universally and has a range of angular movement such that it may be swung downwards as far as the horizontal in any direction.

In accordance with one embodiment of the invention the universal connection between the tubular member and the base comprises a fixed element rigidly mounted on said base, a movable element to which said tubular member is rigidly secured and a connecting element whereby said fixed and movable elements are linked together, said connecting element being rotatable about a vertical axis relative to said fixed element, and said movable element being rotatable about a horizontal axis relative to said connecting element.

The fixed element takes the form of a short upright pedestal having a vertical hole bored therethrough. The connecting element has a cylindrical lower end which rotates in this hole and a bifurcated upper end which projects above said hole. The movable element has a portion which extends between the horns of bifurcation of said connecting element and is pivoted

about a horizontal pin the ends of which bear in said horns.

Said connecting element is formed with a horizontal flange immediately above the cylindrical portion, which flange rests on the upper surface of said fixed element and limits the downward movement of said connecting element. In order to provide a suitable friction drag opposing the rotation of said connecting element, a helical spring surrounding said cylindrical portion of said connecting element is in compression between a downwardly facing shoulder within the hole in the fixed element and an upwardly facing shoulder on the surface of said cylindrical portion. Constructional requirements obviously necessitate said upwardly facing shoulder being formed by a separate collar screwed on to the lower end of said cylindrical portion.

In order to provide a friction drag opposing the rotation of said movable element relative to said connecting element, a vertical hole is bored from the lower end completely through the cylindrical portion of said connecting element into communication with the space between the horns of bifurcation and a friction pad located in the upper end of said hole is upwardly biased against the surface of the portion of the movable element located between said horns. The upward bias of said pad is effected by means of a helical spring located in said hole and in compression between the under side of said pad and the upper end of a screw closing the lower end of said hole.

Dated this 11th day of June, 1929.

A. A. THORNTON,
Chartered Patent Agent,
7, Essex Street, Strand, London, W.C. 2,
For the Applicants.

COMPLETE SPECIFICATION.

Improvements in or relating to Rests for Pens, Pencils or the like.

85 We, CONWAY STEWART & COMPANY LIMITED, a British Company, of 75/82, Shoe Lane, London, E.C. 4, and JAMES JEFF, of 116, Park Avenue, Bush Hill [Price 1/-]

90 Park, Middlesex, a British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described

and ascertained in and by the following statement:—

5 This invention relates to rests for pens, pencils or the like, of the kind comprising a tubular member into one end of which the nib end of the pen is adapted to be inserted, said tubular member at its other end being pivoted to a suitable base.

10 The object of the invention is the provision of an improved rest of this kind and the invention consists broadly in the arrangement according to which said tubular member is pivoted universally and has a range of angular movement such that it may be swung downwards as far as the horizontal in any direction.

15 In order that the invention may be the more clearly understood a pen rest in accordance therewith will now be described reference being made to the accompanying drawings wherein:—

20 Figure 1 is a side elevation of said pen rest.

25 Figure 2 is a plan of the same.

Figure 3 is a sectional elevation to an enlarged scale on the line 3—3 of Figure 2.

30 Referring to the drawings the numeral 1 designates the tubular member and the numeral 2 the base. The universal connection between said tubular member and said base comprises a fixed element 3 rigidly mounted on said base, a movable element 4 to which said tubular member is rigidly secured so that said movable element constitutes substantially a part thereof and a connecting element 5 whereby said fixed and movable elements 3 and 4 are linked together, said connecting element 5 being rotatable about a vertical axis relative to said fixed element 3, and said movable element 4 being rotatable about a horizontal axis relative to said connecting element 5.

45 The fixed element 3 takes the form of a short upright pedestal having a vertical hole bored therethrough. The connecting element 5 has a cylindrical lower end which rotates in this hole and a bifurcated upper end which projects above said hole. The movable element 4 has a portion which extends between the horns of bifurcation of said connecting element 5 and is pivoted about a horizontal pin 6 the ends of which bear in said horns.

50 Said connecting element 5 is formed with a horizontal flange immediately above the cylindrical portion as best shown in Figure 3, which flange rests on the upper surface of said fixed element 3 and limits the downward movement of said connecting element. In order to provide a suitable friction drag opposing the rotation of said connecting element 5,

a helical spring 7 surrounding said cylindrical portion of said connecting element is in compression between a downwardly facing shoulder *a* formed within the hole in the fixed element 3 and an upwardly facing shoulder *b* on the outside of said cylindrical portion. Constructional requirements necessitate said upwardly facing shoulder *b* being formed by a separate part 5*a* secured to the lower end of said cylindrical portion of the element 5 by means of a screw 8.

70 In order to provide a friction drag opposing the rotation of said movable element 4 relative to said connecting element 5, the screw hole in the element 5 is carried completely through the cylindrical portion into communication with the space between the horns of bifurcation and a friction element 9 located in the upper end of this hole is upwardly biased against the surface of the portion of the movable element located between said horns by means of a helical spring 10 located in said hole and in compression between the under side of said element 9 and the upper end of the screw 8.

85 The manner in which the fixed element 3 is secured to the base 2 is deemed clear from the drawings.

90 Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A rest for pens pencils or the like of the kind set forth wherein said tubular member is pivoted universally and has a range of angular movement such that it may be swung downwards as far as the horizontal in any direction.

2. A rest according to claim 1 wherein the universal connection between said tubular member and said base comprises a connecting element mounted on said base so as to be rotatable about an axis perpendicular thereto, and secured to said tubular member so that the latter is rotatable about an axis transverse to said former axis.

3. A rest according to claim 2 wherein said connecting element has a part which is rotatable within a fixed element mounted on said base and has a bifurcated portion projecting from said fixed element between the horns of bifurcation of which said tubular member is rotatably mounted.

4. A rest according to claim 3 wherein said connecting element is biased axially to a limited position relative to said fixed element so that a frictional drag is provided against rotation of said connecting element.

5. A rest according to claim 3 or 4,

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wherein a friction element is located in a hole in said connecting element between said horns of bifurcation which friction element is biased outwardly against the 5 portion of the tubular element between said horns of bifurcation.

6. A rest for pens pencils or the like

substantially as herein specified with reference to the accompanying drawings.

Dated this 28th day of February, 1930.

A. A. THORNTON,
Chartered Patent Agent,
7, Essex Street, Strand, London, W.C. 2,
For the Applicants.

[This Drawing is a reproduction of the Original on a reduced scale.]

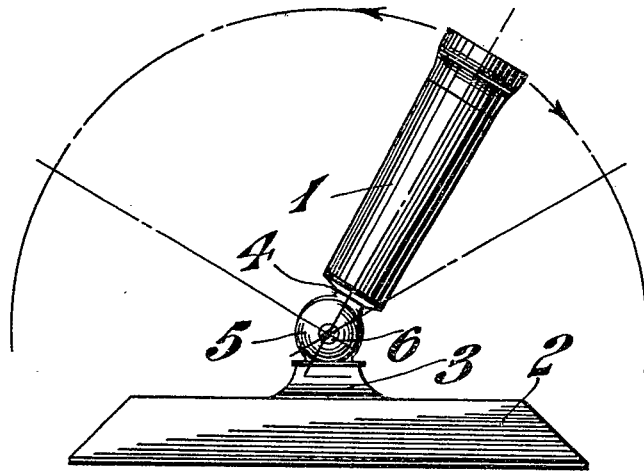


Fig. 1.

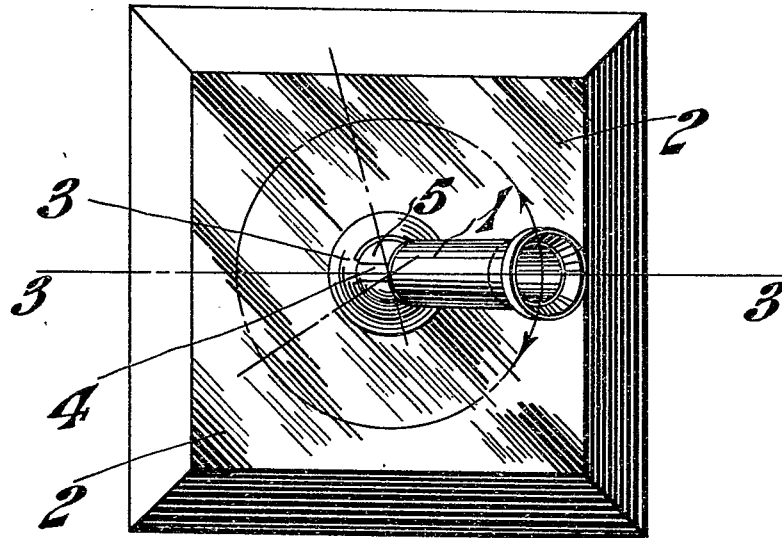


Fig. 2.

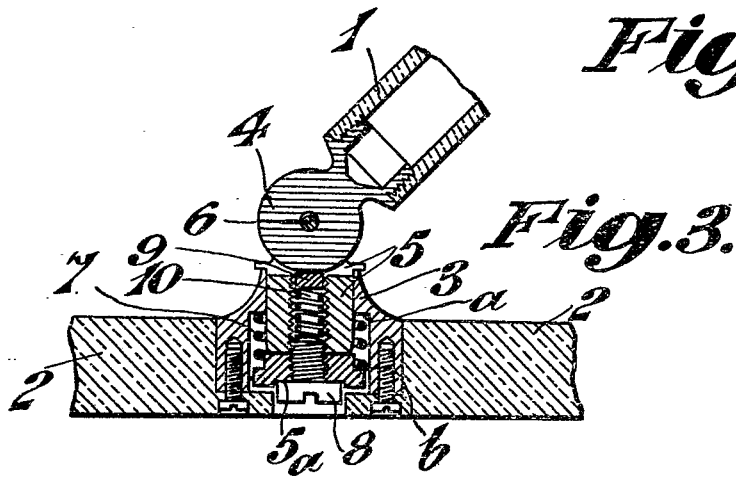


Fig. 3.