July 22, 1930. R. PUDELKO 1,771,272

WRITING APPLIANCE FOR RECORDING APPARATUS

Filed Nov. 28, 1924

Fig. 1

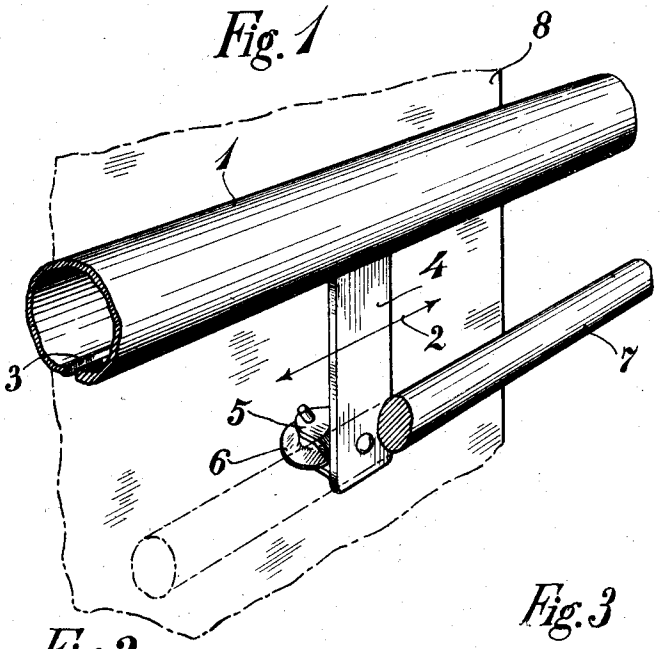


Fig. 2

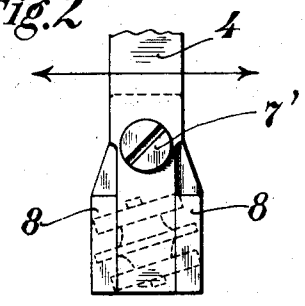
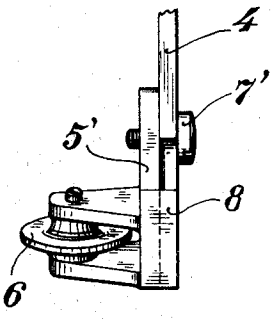


Fig. 3



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UNITED STATES PATENT OFFICE

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WRITING APPLIANCE FOR RECORDING APPARATUS

Application filed November 28, 1924, Serial No. 752,659, and in Switzerland December 15, 1923.

In writing appliances for recording apparatus having regard to security in operation, and cleanliness and simplicity of the construction, the application of an arrangement depending upon the wear of a certain material would be the most advantageous. The arrangement hitherto, where a lead pencil has generally been used, has the disadvantage of considerable wear on the writing member so that when the writing member is subjected to considerable strain the use of this arrangement is difficult, if not altogether impossible in practice.

The present invention has for its object the elimination of the said disadvantage, and refers to a writing member consisting of a roller whose axis is inclined to its direction of motion.

The drawing shows two examples of construction on the subject of the invention. Fig. 1 gives a perspective view of the first example of construction, whilst Figs. 2 and 3 illustrate the front and side elevations of the second example of the construction.

In the drawing everything is omitted that is not necessary to the understanding of the invention.

In Fig. 1 the first example of construction 1 is a slotted tubular guide in which slides a slider not shown in the drawing, which is caused to reciprocate in the direction of the arrow 2 by the mechanism of the recording apparatus. On a bar 4 mounted on the slider and projecting from a longitudinal slot 3, formed in the tubular guide 1, is securely riveted a frame-like carrier 5, in which is rotatably mounted a disc or roller 6. The frame-like carrier 5 is mounted on the bar 4, so that the axis of the roller is inclined to its direction of movement. 7 is a presser bar rod which presses the roller 6 against the chart 8 of the recording apparatus as the carrier moves along the guideway 1.

The roller 6 may, for example, be made of brass, in which case the chart must be of a paper prepared in such a manner that when a metal is drawn over it, which has the property of depositing some of its compositions, a line is drawn on the paper. In addition to brass, such metals as copper, silver, gold and so on, can be utilized. The roller or disc 6 could also be formed of graphite so as to write on the chart in the manner of a lead pencil. By reason of the inclined position of the roller, the latter partly slides and partly rolls over the chart and thus serves a two-fold purpose, namely to obtain a good deposit of material from the roller, and a uniform wear of the roller over its entire periphery.

In the example described, the carrier 5 of the roller is assumed to be securely riveted to the bar. In order to permit of the ready exchange of the roller 6, the carrier 5′ as shown in the second example of construction, Fig. 2 and Fig. 3, may form a unit with the roller 6, which is secured to the bar 4 by means of a screw 7′, whereby cheeks or interfitting projections 8 of the disc holder 5′ holds the disc holder 5′ in position on the bar 4 by embracing the bar 4. In order to enable the roller 6 to be set in the most suitable position, the said roller could also be so arranged, that its inclination to the direction of motion is adjustable.

What I wish to secure by U. S. Letters Patent is:—

1. A recording mechanism including in combination a guide, a carrier movable to and fro along and guided by the guide, a member removably mounted on the carrier and a recording disc mounted on said member with its axis at an oblique angle to the line of travel of the carrier.

2. A recording mechanism including in combination a carrier, having translational movement, a recording device mounted on the carrier, and a stationary member extending in the direction of the translational movement of the carrier with which the carrier is in sliding contact during its transla-

tional movement to hold the recording device to a record-receiving sheet.

3. A recording mechanism including in combination a guide, a carrier travelable along the guide, a recording disc, and a holder in which the disc is journalled and a stationary presser bar extending substantially throughout the path of movement of the carrier, and in sliding engagement with the carrier to hold the disc to a record receiving sheet.

In witness whereof I affix my signature.

RICCARD PUDELKO.