Feb. 3, 1931. F. J. McMICHAEL 1,790,996

RECORDING INSTRUMENT

Filed Oct. 19, 1928

Fig. 1

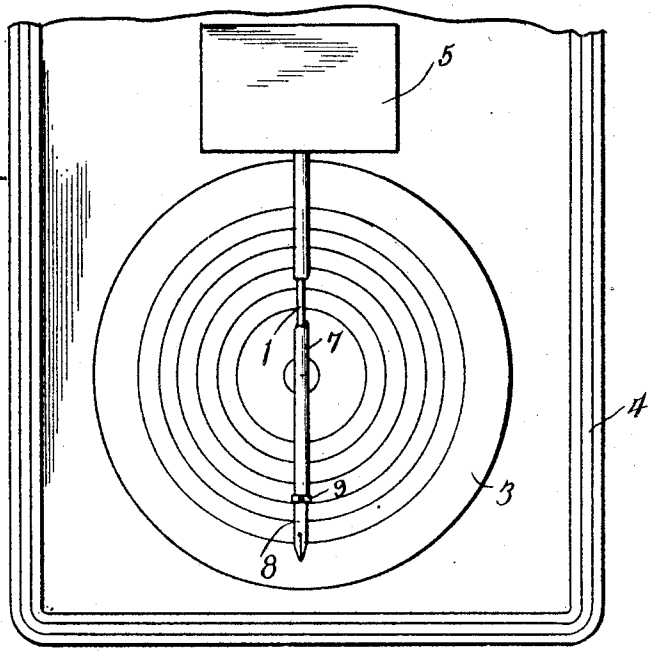
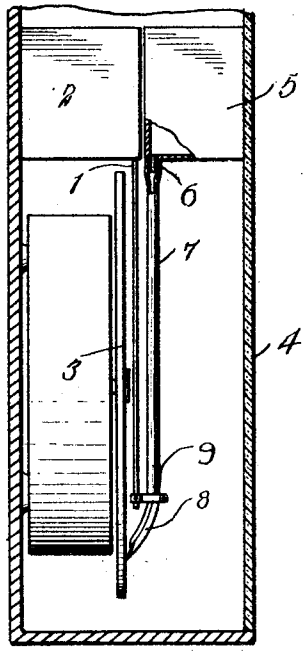


Fig. 2.



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UNITED STATES PATENT OFFICE

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RECORDING INSTRUMENT

Application filed October 19, 1928. Serial No. 313,547.

The present invention is directed to improvements in recording instruments.

The primary object of the invention is to provide a device of this character so constructed that an adequate supply of ink or writing fluid can be stored for supplying the stylus or marking pen for a long period, thus eliminating the necessity of replenishing the fluid supply daily, as now is customary.

Another object of the invention is to provide a device of this kind so constructed that the ink or marking fluid will be fed continuously and gradually to the stylus or pen in a manner to prevent dripping of the fluid when the charts are being changed, thereby preventing splotching of the charts, which not only destroys the recording lines, but presents an unsightly appearance.

With these and other objects in view, this invention resides in the novel features of construction, formation, combination and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which:—

Figure 1 is a front view of the device.

Figure 2 is a side elevation thereof, partly in section.

Referring to the drawing, 1 designates the recording arm which is connected to the actuating mechanism within the casing 2, and since this mechanism may be of any well known construction, a detailed illustration thereof is not thought necessary.

The record chart 3 is controlled in any well known manner, and in this instance is illustrated as being of the disc type.

The recording arm and chart are mounted in a suitable casing 4 and fixed therein adjacent the casing 2 is a fluid containing reservoir 5, having a nipple 6 depending from its bottom and to which is secured the upper end of a small rubber hose 7, the lower end of which has fitted therein a stylus or pen 8, which is preferably of the type used in conventional forms of fountain pens.

While I have illustrated the tube 7 in advance of the recording arm it will of course be understood that it can be placed rearwardly, thereof, if desired.

A clamp 9 of any well known form secures the lower end of the tube 7 and the stylus 8 to the arm 1 in order that said stylus will move with the arm 1 and since the point of the stylus rests lightly against the face of the chart 3 the record line will be traced thereon.

It will thus be seen that ink from the reservoir 5 will flow through the tube 7 to the stylus 8 to assure a supply therefor and since the reservoir is comparatively large an adequate supply of marking fluid will be on hand to trace the lines upon the chart for a long period.

From the foregoing, it is thought that the construction, operation and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape and proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

What is claimed is:—

The combination with a casing and a recording mechanism therein including a vertically disposed recording arm, an operating mechanism for the arm and a record receiving chart below the operating mechanism, of an ink reservoir within the casing above the chart, a flexible tube leading from the bottom of the ink reservoir and provided at its lower end with a pen, and connecting means between the pen, flexible tube and recording arm.

In testimony whereof I affix my signature.

FLOYD J. McMICHAEL. [L. S.]