

(No Model.)

L. JOHNSON.
RULING PEN.

No. 531,124.

Patented Dec. 18, 1894.

Fig. 1. Fig. 2.

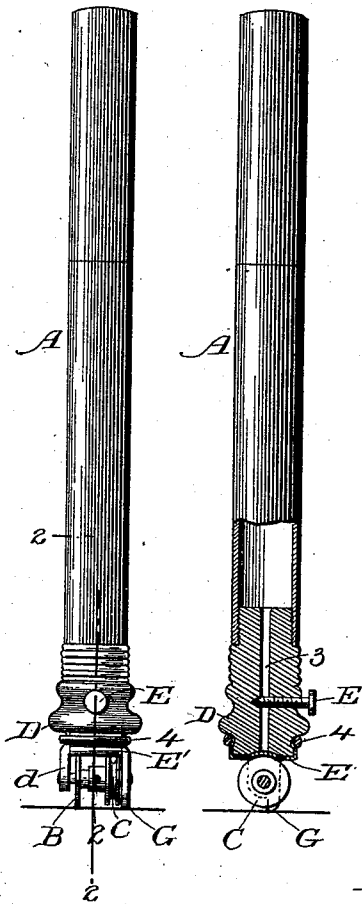
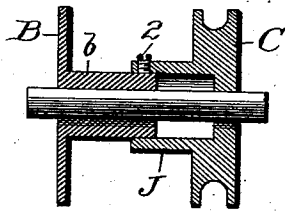


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

LEWIS JOHNSON, OF WILLMAR, MINNESOTA.

RULING-PEN.

SPECIFICATION forming part of Letters Patent No. 531,124, dated December 18, 1894.

Application filed August 16, 1894. Serial No. 520,482. (No model.)

To all whom it may concern:

Be it known that I, LEWIS JOHNSON, a citizen of the United States, residing at Willmar, in the county of Kandiyohi and State of Minnesota, have invented certain new and useful Improvements in Ruling-Pens, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to ruling pens and is designed with especial reference for use by accountants in ruling ledgers, trial and other balance sheets and for any purpose of drawing lines to which this class of instruments is generally applied.

One purpose of the invention is the provision of a pen having rotary single and double line markers; also, in having the said markers relatively adjustable to vary the space between the lines to suit the figures and the required style of ruling.

A still further object of the invention is a guard so disposed with reference to one of the markers that when the pen is held in one position both markers will touch and rule the paper but on reversing the position of the pen only one marker will touch and line the paper.

The improvement will be more fully set forth hereinafter and claimed and is shown in the accompanying drawings, in which—

Figure 1 is a front elevation of the preferred form of pen showing the two rotary markers. Fig. 2 is a section on the line 2 2 of Fig. 1 looking to the right. Fig. 3 is a sectional detail of the two markers on a larger scale.

The pen comprises a hollow handle A which constitutes the fountain, and a single and double line rotary marker B and C, respectively, journaled in the cheeks of the head D. A shaft E is journaled at its ends in the cheeks *d* and the rotary markers B and C are mounted thereon and relatively adjustable to and from each other to vary the distance between the lines. A binding screw 2 passes through a hub portion of the marker C and secures it in the desired position. On loosening the binding screw 2 the marker C can be moved to and from the marker B so that the ruled lines may be as close together or as

far apart as desired within the capacity of the instrument.

The head D is removably fitted to the handle in any desired manner so that the said handle can be replenished and the bore or passage 3 in the head cleaned. A valve E controls the passage 3 to shut off or regulate the flow of the ink to the markers. A packing E is provided at the outer or delivery end of the passage between the cheeks *d* to distribute the ink and supply the same in proper quantity to the markers. A binder 4 secures the packing in place. This packing is of any absorbent material suitable for the provision of an ink distributing pad and may be felt, chamois or any fabric.

The guard G is provided by extending the edge of one of the cheeks beyond the periphery of the marker a sufficient distance to travel upon the paper and hold the marker nearest thereto from contact with the paper. This guard or extension occurs on one-half of the cheek only so that when this side comes opposite the paper and travels thereon only one marker will rule. On reversing the position or slant of the pen both markers will be brought into operative position.

The operation of the pen is as follows: The fountain being supplied with ink and the valve opened the pad F will become moistened. On using the pen in the ordinary manner the markers will be inked by contact with the pad and deposit the same on the paper in the path of the markers. A suitable cap will be provided to protect the markers and pad and prevent the drying of the ink and the lodgment of dust, &c., on the markers.

It will be observed that the rotary markers D and C are mounted upon the same shaft E and are of like diameter so that the marking edges will be in a plane parallel with the said shaft. The marker B is provided on its inner side with a hub portion *b* and the marker C is provided on the opposing side with a tubular extension J to receive the hub portion *d* of the marker B which latter is adapted to telescope therewith in the adjustment of the markers B and C to and from one another to vary the distance apart of the ruled lines. By this arrangement the two markers in effect may be considered as one

in which the ruling edges are adapted to be separated a greater or less distance as required.

The guard G, as shown most clearly in Fig. 2, is located wholly to one side of a plane passing vertically through the axis or shaft in the direction of its length about which the markers C and B rotate. Hence, when the pen is slanted toward the side of the plane farthest from the guard both markers will come in contact with the paper and rule the same. On slanting the pen to the side of the plane nearest the guard the latter will come in contact with the paper and lift the marker C contiguous thereto from engagement with the paper and as a result only one line will be ruled. This operation is readily understood when it is remembered that the edge of the guard projects a short distance beyond the active edge of the contiguous marker.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a ruling pen, the combination of a support, two markers mounted upon the said support and having tubular extensions on their opposing sides which are adapted to telescope, and means for securing the markers in the relative adjusted position, substantially as set forth.

2. In a ruling pen, the combination of a handle, two rotary markers journaled in the handle upon a support common to each, and a guard arranged adjacent to one of the rotary markers and disposed wholly to one side of a plane passing vertically through the axis or support of the markers in the direction of its length, whereby when the pen is slanted toward the side of the plane farther from the guard both markers will be in active engagement with the paper, and when the pen is slanted to the side of the plane nearer the guard the marker contiguous to the said guard will be lifted from engagement with the said paper, substantially as described for the purpose specified.

3. A ruling pen comprising a fountain handle having a head provided with cheeks, a shaft supported at its ends in the said cheeks, rotary markers mounted upon the said shaft and relatively adjustable to and from each other to vary the distance apart of the lines to be ruled, and a guard contiguous to one of the markers and located wholly to one side of a plane passing vertically through the said shaft in the direction of its length, whereby when the pen is slanted toward the side of the plane farther from the guard all the said markers will engage with and rule the paper, and on slanting the pen to the side of the plane nearer the guard, the latter will trail upon the paper and lift the contiguous marker from operative engagement with the said paper, substantially as set forth.

4. The herein specified ruling pen, comprising a fountain handle having a head provided with cheeks, a shaft supported at its ends in the said cheeks, a single and a double line rotary marker mounted upon the said shaft and relatively adjustable thereon, means for securing the rotary markers in the located position, a distributing pad located between the said cheeks, a valve for controlling the supply of ink from the handle to the pad, and a guard forming a prolongation of one of the said cheeks and located wholly to one side of a plane passing vertically through the axis or shaft in the direction of its length, whereby when the pen is slanted toward the side of the plane farther from the guard both markers will rule the paper, and when the pen is slanted toward the side of the plane nearer the guard only one of the markers will come in contact with and rule the paper, substantially as specified.

In testimony whereof I affix my signature in the presence of two witnesses.

LEWIS JOHNSON.

Witnesses:

LEWIS MOLINE,
C. L. PETERSON.