

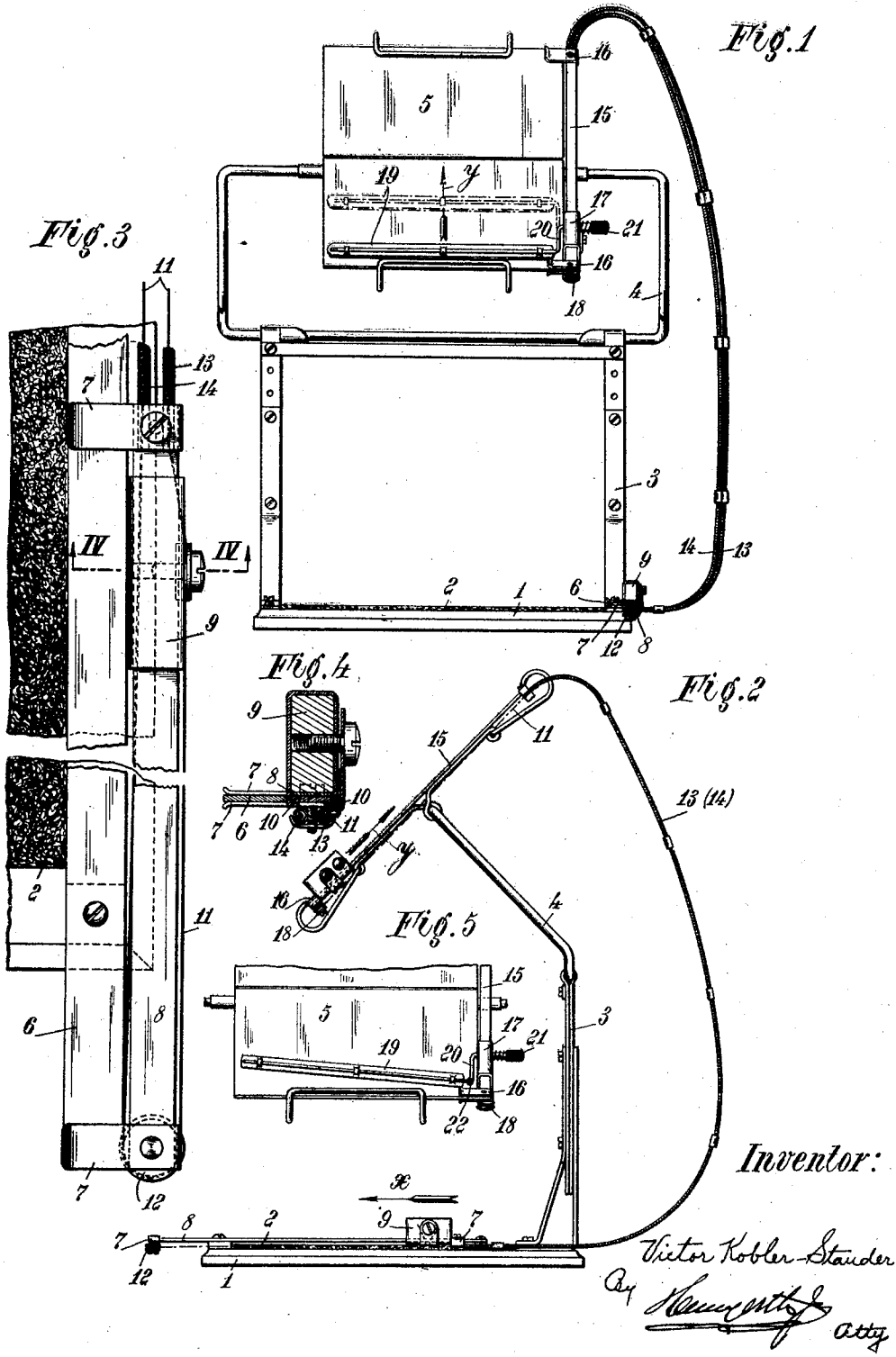
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LINE INDICATOR FOR TYPEWRITING MACHINES

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UNITED STATES PATENT OFFICE.

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LINE INDICATOR FOR TYPEWRITING MACHINES.

Application filed July 14, 1924. Serial No. 725,959.

To all whom it may concern:

Be it known that I, VICTOR KOBLER-STAUDER, a citizen of the Republic of Switzerland, residing at Zurich, Switzerland, have invented certain new and useful Improvements in Line Indicators for Typewriting Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in line-indicators for typewriting machines provided with copy-holders. The line indicator according to the present invention comprises guide means to be fixed close to the typewriting machine in a substantially horizontal position and approximately in the same elevation as that in which the hands of the operator are, an endless pulling member guided in said means, further other guide means to be fixed in an upright direction on the copy-holder in which means the endless pulling member is also guided, a slide adapted to be guided in the first mentioned guide means and connected to one part of the endless pulling member, and a second slide carrying the line-indicator and adapted to be guided in the second mentioned guide means and connected to the other part of the endless pulling member.

A constructional example of the line indicator according to the present invention and attached to a typewriting machine having a copy holder provided with a supporting plate on which the typewriting machine rests, is illustrated on the accompanying drawings, in which:

Fig. 1 is a front elevation of the device,

Fig. 2 is a side elevation,

Fig. 3 shows on an enlarged scale part of the device and of the copy-holder,

Fig. 4 is a section along line IV—IV in Fig. 3, and

Fig. 5 shows part of a modified embodiment of the line-indicator.

Referring now to the drawing, 1 denotes the supporting plate, made for instance of wood and covered with a fabric or felt. To the plate 1 the frame 3 is fixed which is provided in its upper part with a swingable stirrup 4, the latter is clamped friction-tight in the frame 3 so that it remains in every adjusted position. The copy-holder 5 is turnable and friction-tight on the stirrup and retained in every position.

6 denotes a rail fixed at one side of the plate 1. To the rail 6 a guide rail 8 is re-

movably attached by means of resilient clamping members 7. The guide rail 8 extends from the front to the rear and is arranged substantially horizontally. A slide 9 is displaceably mounted on the guide-rail 8, the lower ends 10 of the slide being bent to embrace the guide rail 8 whereby the slide is guided on the rail 8. A part of the endless pulling member 11 is fixed to the slide 9 and the pulling member 11 passes over a roller 12 on the rail 8 and is guided from the rear end of the rail 8 onwards by means of two separate flexible tubes 14 and 13.

At one side of the copy-holder 5 a further guide rail 15 is removably attached by means of resilient clamps 16, the rail 15 extending in the upward direction. A slide 17 is movable along the guide-rail 15 and is of a substantially similar design as the slide 9, i. e., also provided with bent lower parts which embrace the rail 15. The pulling member 11 on leaving the other ends of the tubes 13 and 14 passes below the guide-rail 15 and around a roller 18 fixed to the lower end of rail 15; the slide 17 is also fixed to the pulling member 11 which is endless. To the upper slide 17 at the copy-holder a line-indicator or rule 19 is rotatably mounted by means of a crank 20. By turning the milled knob 21 the rule 19 may be turned from the position indicated in Fig. 1 in full lines into that indicated in chain-dotted lines.

When the slide 9, which is conveniently arranged at the same elevation as that of the hands of the operator, is displaced in the direction of the arrow x (Fig. 2) a movement of the slide 17 and thereby of the line-indicator 19 is caused in the direction of the arrow y (Fig. 2) and the extent of the movements of both slides is equal to one another; the movements of the slides are exactly similar and are no step by step movements. By moving the lower slide 9 the upper slide can be moved up and down by any desired amount so that the tiresome direct displacement of the upper slide 17 to which end the hand has to be raised, is no longer necessary. In order to permit adjustments of the line-indicator by any desired amount and in any direction the use of sprocket wheels, racks and the like has been avoided and a line-indicator is thus provided which is very simple and reliable and which can easily be adjusted.

With the constructional example illustrated in Fig. 5 a pivot joint 22 is inserted

in the wire bent like a crank 20 so that the line indicator 19 may be inclined to the horizontal.

Instead of carrying one of the guide rails at the side of the supporting plate it may be arranged at the writing table, if no supporting plate is used or at the typewriting machine as will be readily understood.

I claim:

19 1. A line-indicator for typewriting machines provided with copy-holders, comprising in combination guide means adapted to be fixed close to the typewriting machine in a substantially horizontal position and
 15 approximately in the same elevation as that in which the hands of the operator are, an endless pulling member, further guide means adapted to be fixed in an upright
 20 direction on the copy-holder, a slide adapted to be guided in said first mentioned guide means and connected to the endless member, and a second slide carrying a line indicator and adapted to be guided in the second mentioned guide means and connected to the
 25 endless pulling member.

1. A line-indicator for typewriting machines provided with copy-holders, comprising in combination guide means adapted to be fixed close to the typewriting machine in a substantially horizontal position and approximately in the same elevation as that in which the hands of the operator

are, an endless pulling member, further guide means adapted to be fixed in an upright direction on the copy-holder, a slide adapted to be guided in said first mentioned guide means and connected to the endless member, a second slide comprising a line-indicator and adapted to be guided in the second mentioned guide means and connected to the endless pulling member, and two tubular guides for the endless member interposed between said two guide means.

3. A line-indicator for typewriting machines provided with copy-holders, comprising in combination a guide rail adapted to be removably fixed by means of resilient clamping means close to the typewriting machine in a substantially horizontal position and approximately in the same elevation as that in which the hands of the operator are, an endless pulling member, a further guide rail adapted to be removably fixed in an upright direction to the copy-holder, a slide adapted to be guided in said first mentioned guide means and connected to the endless member, and a second slide carrying a line-indicator and adapted to be guided in the second mentioned guide means and connected to the endless pulling member.

In testimony whereof I affix my signature.

VICTOR KOBLER-STAUDER.