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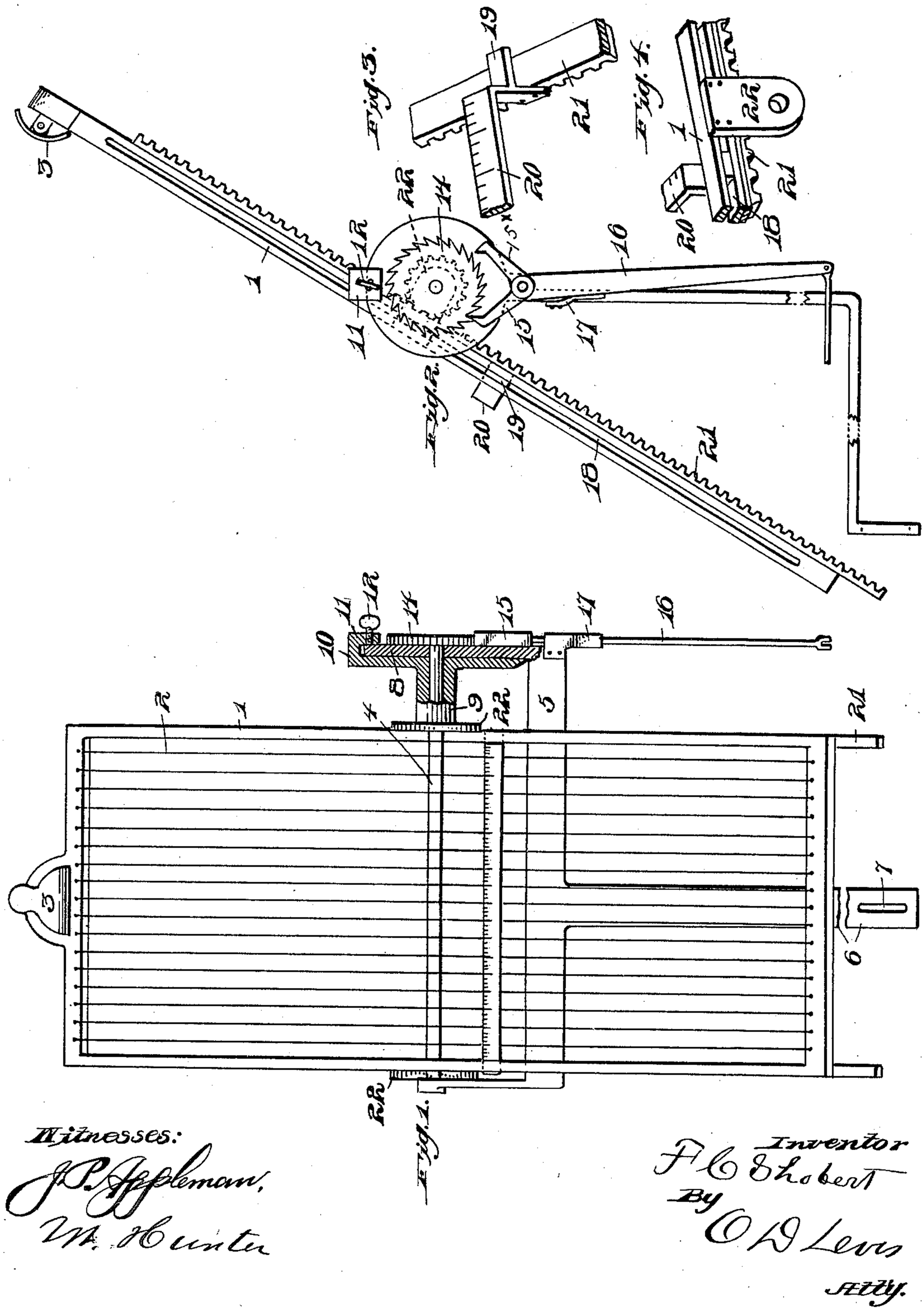
F. C. SHOBERT.

COPY HOLDER AND LINE INDICATOR FOR TYPE WRITING MACHINES.

(Application filed Apr. 11, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

FRED C. SHOBERT, OF ALLEGHENY, PENNSYLVANIA.

COPY-HOLDER AND LINE-INDICATOR FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 697,895, dated April 15, 1902.

Application filed April 11, 1901. Serial No. 55,301. (No model.)

To all whom it may concern:

Be it known that I, FRED C. SHOBERT, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Copy-Holders and Line-Indicators for Type-Writing Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in copy-holders, and more particularly to that class used by type-writers, stenographers, and the like.

The present invention has for its object the provision of novel means whereby a gage may be easily moved to accurately indicate the line to be copied and to provide a simple and novel construction of mechanism that may be readily operated to indicate each succeeding line as the copy is being transcribed or copied, as the case may be.

The invention contemplates to attach the copy-holder to any type-writer and to provide an additional key whereby the gage will be moved from line to line, as desired.

The herein-described invention further aims to construct a device of the above-described character that will be extremely simple in its construction, strong, durable, and comparatively inexpensive to manufacture.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a front view of my improved copy-holder, partly in section. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective view of a portion of the cog-rack, showing the same connected to the gage. Fig. 4 is a similar view showing the slot arranged in the side of the frame.

In the drawings the reference-numeral 1 represents the frame, which may be attached to the type-writer in any convenient manner.

2 represents a number of wires forming the back or base for the frame 1, a spring-clamp 3 being arranged at the top of the frame to hold the papers to be copied or transcribed in proper position.

The reference-numeral 4 represents a shaft upon which is mounted the copying-frame, said shaft being arranged in the yoke 5, said yoke having formed integral therewith a downwardly-extending portion 6, carrying a slotted end 7, which may be conveniently attached to the type-writer in any desired manner. The said shaft 4 carries on its one end a disk 8, and a loose sleeve 9 is arranged on the side of the shaft, said sleeve carrying an annular plate 10, having formed integral therewith at its upper end an apertured lug 11, adapted to receive the set-screw 12, which is adapted to engage the disk 8. The end of the sleeve 9 carries a ratchet-wheel 14, which is operated by pawls 15 and 15×, engaging the teeth of said ratchet-wheel and operated by a downwardly-extending lever 16, to which is connected in any suitable manner an operating-key attached to the type-writer. A retractile spring 17 is placed upon the yoke 5 and is adapted to operate against the lever 16 to return the same to its normal position.

The reference-numerals 18 indicate slots arranged in the side of the frame, in which operate outwardly-extending lugs 19, rigidly secured to the gage 20, which is likewise attached to the cog-rack 21.

The reference-numeral 22 represents an apertured lug secured upon the sleeve 9 and attached to the frame 1.

It will be observed that the rack-bar is fastened to the angled end of the indicator 20, Fig. 3, and a projecting lug on said indicator passes through an elongated slot in frame 1, and the rack-bar is guided in said slot as it moves longitudinally. As the rack-bar is in mesh with the pinion 22, the rack is allowed to drop by gravity as the lever 16, regulating the ratchet-wheel, is actuated.

The operation of the device is as follows: The copies or manuscript which is to be copied is placed under the spring-clamp 3 and retained in proper position upon the frame, the gage being arranged at the top of the frame.

When it is desired to operate the gage downwardly one space, the key is pressed, (not shown in drawings,) thereby operating the downwardly-extending lever 16 and actuating the pawls, thereby rotating the ratchet one notch and operating the cog-wheel, as shown in dotted lines in the drawings, the space of one tooth, communicating the movement of the space of one tooth to the cog-rack carrying the cog and allowing the latter to register with the second line of the manuscript or copy arranged in the frame. The operation is repeated in this manner until all of the lines have been copied upon the paper, when the gage may be easily returned to its proper position. It will be noted that the spring 17 will return the operating parts to their normal position, and the device will be in readiness for the next movement. It will also be noted that the frame may be tilted at any convenient angle and rigidly secured in such position by means of a set-screw engaging the disk and that many other advantages are obtained which will be readily apparent from the foregoing description, taken in connection with the accompanying drawings.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

A copy-holder comprising a frame and support therefor, said frame having an elongated slot, a shaft carried by said support, a pinion-wheel keyed to said shaft, a rack-bar on each longitudinal edge of said frame, an indicator having its ends angled and secured respectively to said rack-bars, a lug on each end of said indicator projecting beyond the rack-bar, and engaging said elongated slot in the frame, a ratchet-wheel mounted on said shaft, an escapement and a lever connected therewith for allowing said ratchet-wheel to make an intermittent rotary movement under the influence of the weight of the rack-bars, as shown and described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

FRED C. SHOBERT.

Witnesses:
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