No. 826,770. PATENTED JULY 24, 1906.

F. DRAKE.

COPY HOLDER.

APPLICATION FILED SEPT. 26, 1905.

Fig. 1.

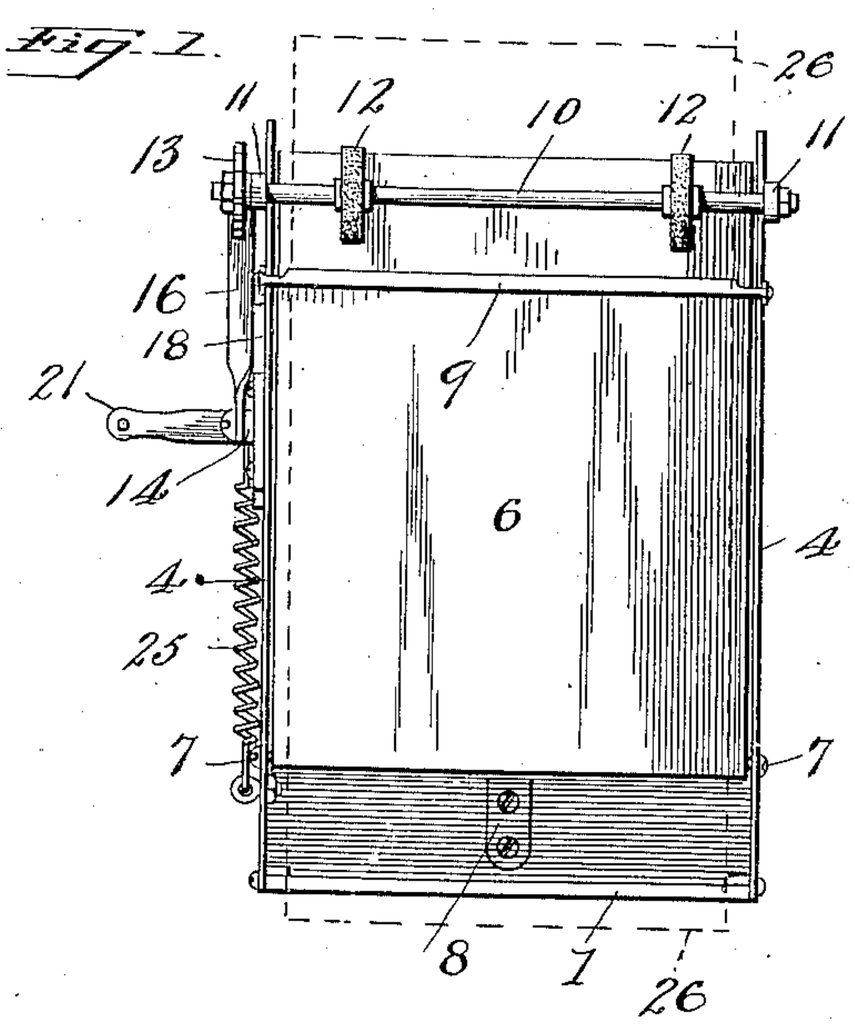


Fig. 2.

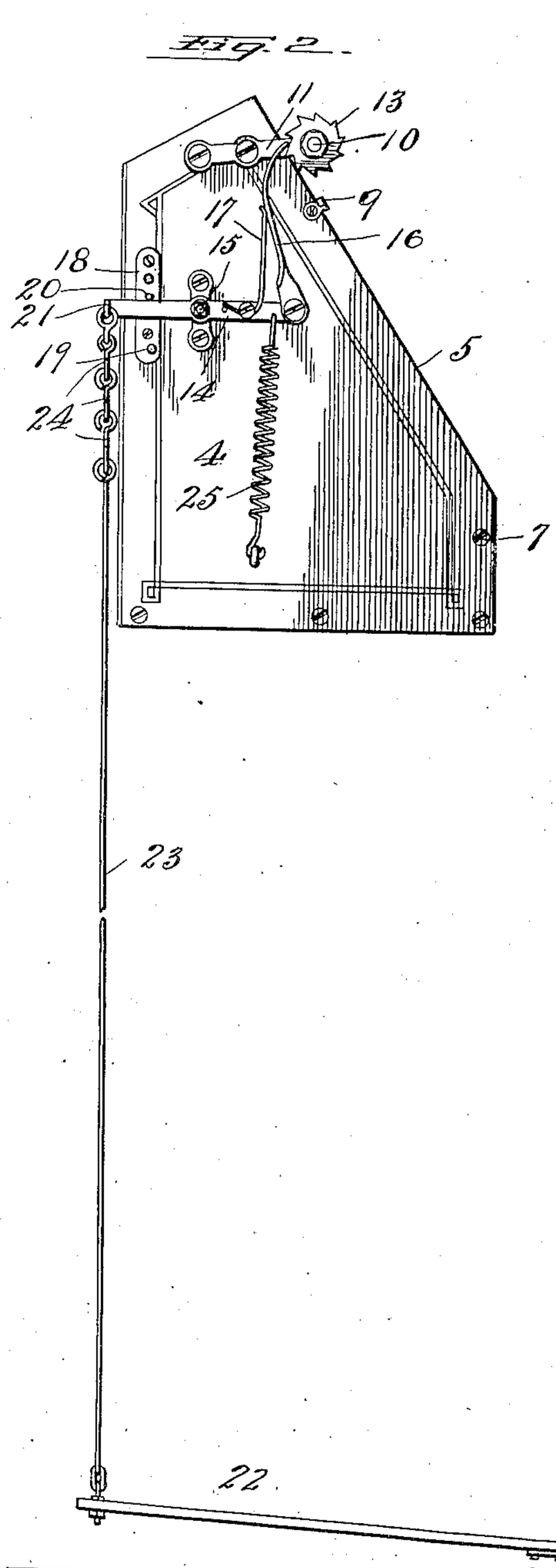
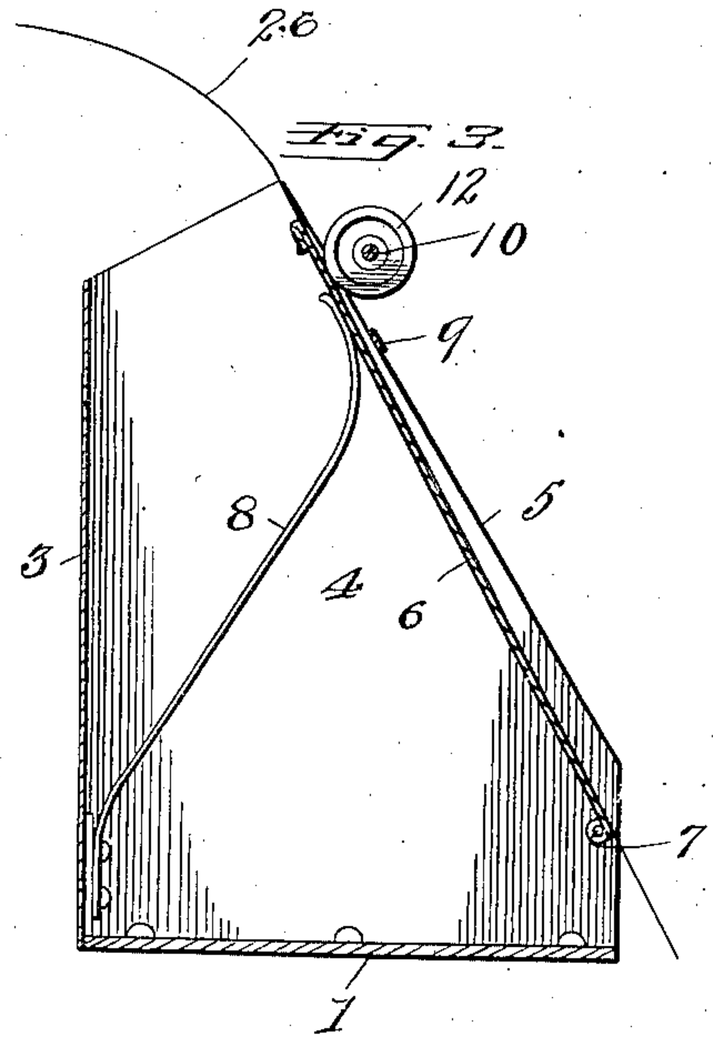


Fig. 3.



WITNESSES:

Chas. K. Davies

Allan Hobson.

INVENTOR

Francis Drake,

BY F. E. Stebbins.

Attorney

UNITED STATES PATENT OFFICE.

FRANCIS DRAKE, OF ST. LOUIS, MISSOURI.

COPY-HOLDER.

No. 826,770. Specification of Letters Patent. Patented July 24, 1906.

Application filed September 26, 1905. Serial No. 280,240.

To all whom it may concern:

Be it known that I, FRANCIS DRAKE, a subject of the King of Great Britain, residing at St. Louis, State of Missouri, have invented new and useful Improvements in Copy-Holders, of which the following is a specification.

The object of my invention is the provision of an improved copy-holder which is especially designed to be operated by foot-power and which shall move the paper relative to a fixed marker or indicator.

Most copy-holders as heretofore constructed have been provided with a marker or indicator which is movable line by line up and down the page to be copied and by the use of the hand, thus requiring considerable attention and interfering with the constant use of both hands by the operator upon the typewriter or linotype.

My invention differs from the above species of holders in that the marker is stationary and the copy movable, preferably by foot-power, so that the operator always looks at the same place upon the holder- -that is, above or below the fixed marker, as suits his fancy.

My invention consists in certain novelties of construction and combinations of parts, as hereinafter set forth and claimed.

The accompanying drawings illustrate one example of the physical embodiment of my invention constructed according to the best mode I have so far devised for the practical application of the principle.

Figure 1 is a front view in elevation of the holder. Fig. 2 is a side view in elevation showing the foot-power-operating mechanism. Fig. 3 is a vertical cross-section of Fig. 1, showing a sheet of paper in position.

Referring to the several figures, the numeral 1 designates the base of the holder; 3, the rear wall or back; 4, the side pieces; 5, the beveled front edges of the sides; 6, the pivoted platform; 7, the pivot-pins of the platform located in the side pieces; 8, a spring secured at one end to the holder and the free end bearing against the upper portion of the pivoted platform; 9, the marker or indicator extended across the platform; 10, a rotary shaft; 11, bearings for the shaft; 12, two feed-wheels which are covered with emery, sand, rubber, or other frictional material; 13, a ratchet-wheel at the end of the shaft; 14, a lever; 15, a pivot for the lever located between the ends of the same; 16, a pawl pivoted to one end of the lever and with its free end engaging the ratchet; 17, a spring which holds the pawl against the ratchet; 18, a perforated plate secured to one side piece and having a series of holes therein; 19, a lower pin; 20, an upper pin; 21, a projecting arm upon the free end of the lever; 22, a pedal of any suitable construction; 23, a wire or cord uniting the arm 21 and the pedal; 24, a series of hooks by means of which the distance between the free end of the pedal and the arm 21 may be varied; 25, a coil-spring secured at one end to a side of the holder and at the other end to the pawl end of the lever, and 26 is a sheet of paper with characters thereto to be copied, said paper being located upon the pivoted platform and beneath the friction-wheels.

The *modus operandi* is as follows: The sheet of paper being inserted between the friction-wheels and the pivoted spring-platform and the upper line of the words, figures, or characters upon the sheet being in a straight line above or below the marker, the said line is copied by the operator, and then the pedal is depressed by the foot, which action rotates the lever and raises the free end of the pawl, which in turn rotates the ratchet, shaft, and friction-wheels and raises or advances the sheet of paper far enough to bring the next line to be copied adjacent to the marker. When the line has been copied, the foot action is repeated. Provision for moving the sheet of paper upon the platform the required distance may consist in any suitable means. Two are herewith disclosed—one the perforated plate 18 and movable pin 20, which when in the upper hole allows the pawl to pass over two of the teeth of the ratchet and when it moves in the opposite direction advances the sheet of paper five-eighths of an inch, the lower pin regulating the downward travel of the free end of the lever. When the pin is in the lower hole, the paper is advanced five-sixteenths of an inch. The other means comprises the hooks 24, by which the wire is lengthened or shortened and the travel of the pedal relative to the floor is regulated. With this means the pieces 19 and 20 are not used and the distance of the travel of the lever is determined by the distance of the free end of the pedal 22 from the floor. The functions of the several parts of the device are obvious. The coil-spring 25 retracts the pawl and the spring 8 holds the sheet of paper between the platform and the

wheels. The holder proper is preferably made of metal or of such material as will be of sufficient weight to secure stability.

From the foregoing description, taken in connection with the drawings, it is clear that I have provided a copy-holder which fulfils the conditions stated to be the objects of my invention. The copy is moved past the marker and by foot-power, the feed can be changed, and the spring-platform allows the insertion of copy having any thickness within practical limits. Modifications and changes in construction may of course be introduced in practice without constituting substantial departures.

What I claim is—

1. A copy-holder having a frame, a fixed marker mounted thereon, a platform pivoted to the frame, a shaft mounted on the frame and having a friction-roller thereon, a spring for forcing the platform against the roller, a ratchet-and-pawl mechanism for rotating the shaft and roller, and a lever for actuating said mechanism.

2. The combination in a copy-holder, constructed substantially as set forth, of a frame, a shaft with a friction wheel or roller mounted on the frame, a fixed marker mounted on the frame, a platform pivoted to the frame and bearing against the friction wheel or roller, a spring for forcing the platform against the roller, and mechanism for rotating the shaft and roller.

3. The combination with a copy-holder constructed substantially as set forth, of a frame, a shaft with a friction wheel or roller mounted on the frame, a marker fixed relative to the frame, a platform pivoted to the frame, a spring for forcing the platform against the friction wheel or roller, ratchet-and-pawl mechanism in connection with the shaft, a pedal, and means for uniting the pedal to the ratchet-and-pawl mechanism.

4. The combination with a copy-holder, of a frame, a marker fixed upon the frame, a shaft with a roller mounted upon the frame, a platform movable relative to the frame, a spring which forces the platform against the roller, ratchet-and-pawl mechanism in connection with the shaft, a lever connected to the pawl, a pedal, means connecting the pedal to the lever, and means for regulating the travel of the lever.

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

FRANCIS DRAKE.

Witnesses:
WILLIAM POPE,
E. ERNEST JACKSON.