F. M. GIDDINGS.

COPY HOLDER.

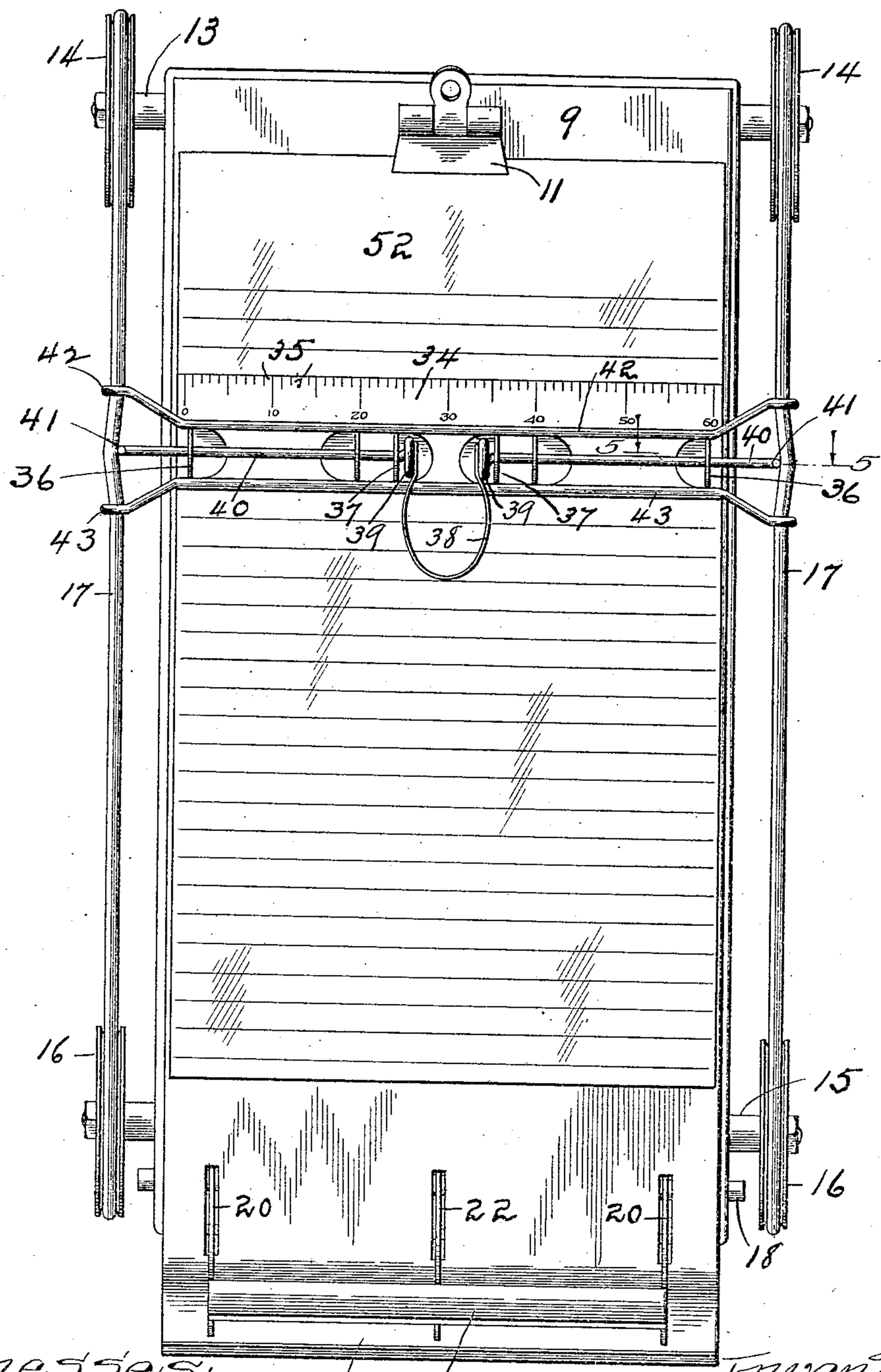
APPLICATION FILED JUNE 13, 1908.

940,003.

Patented Nov. 16, 1909.

3 SHEETS—SHEET 1.

Fig. 1.



Witnesses:
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Winfield H. Davis.

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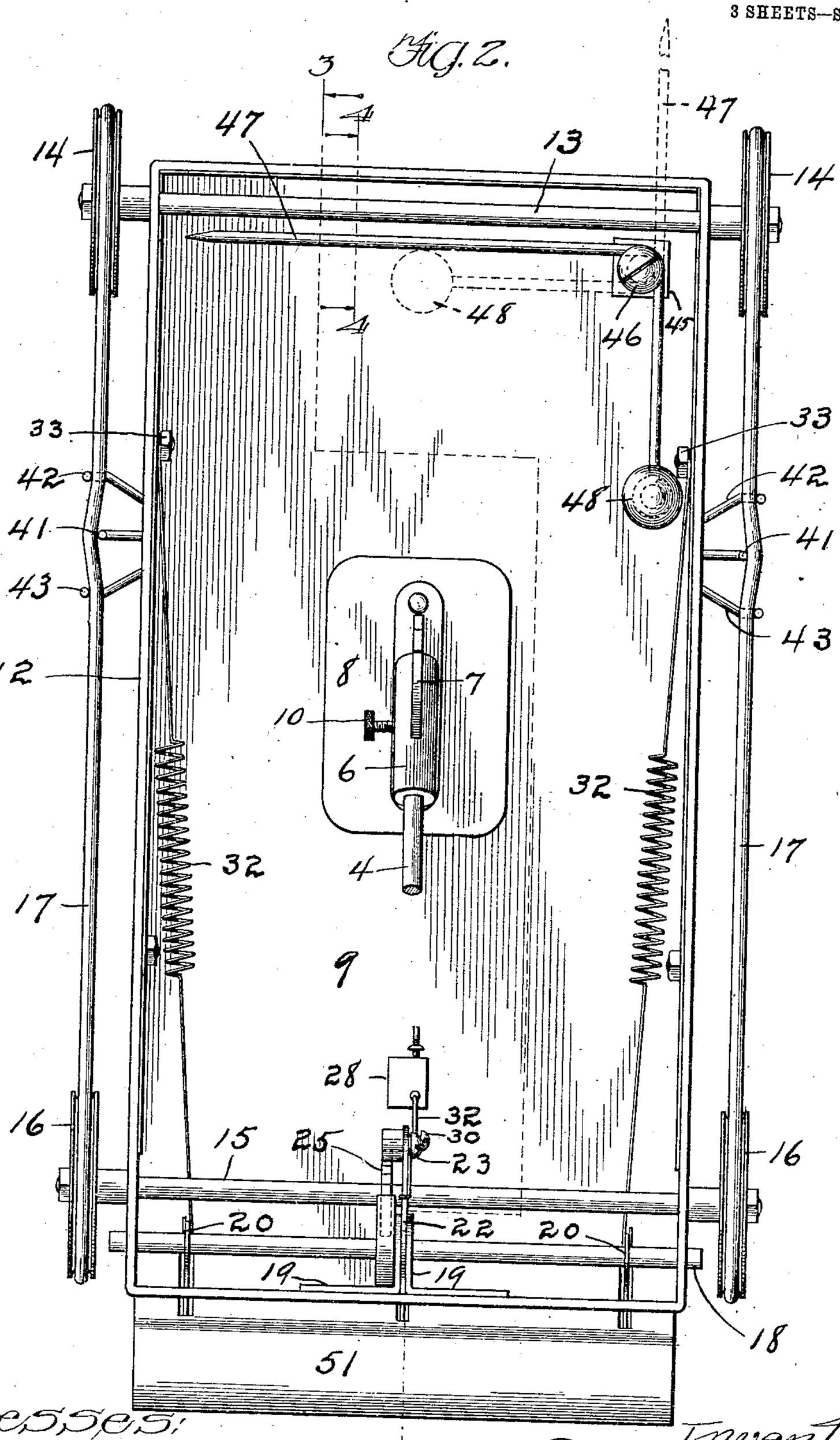
3 SHEETS—SHEET 2.

FIG. 2.



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3 SHEETS—SHEET 3.

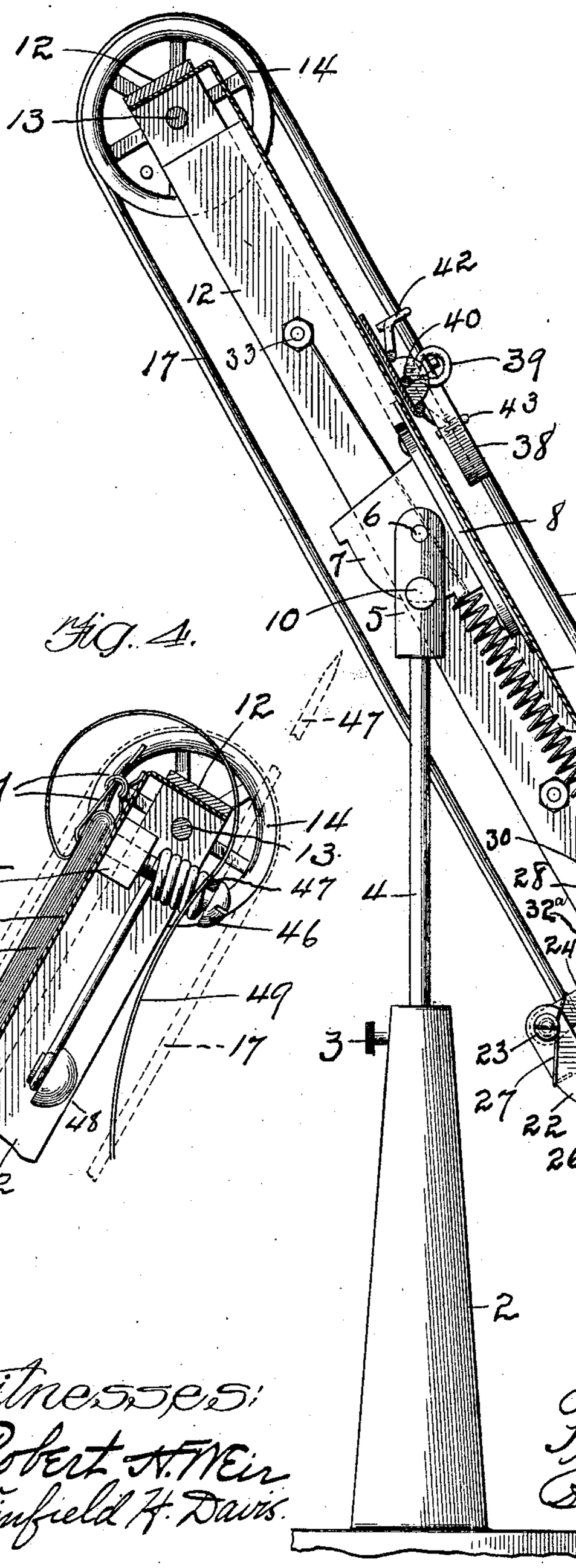

Fig. 3.

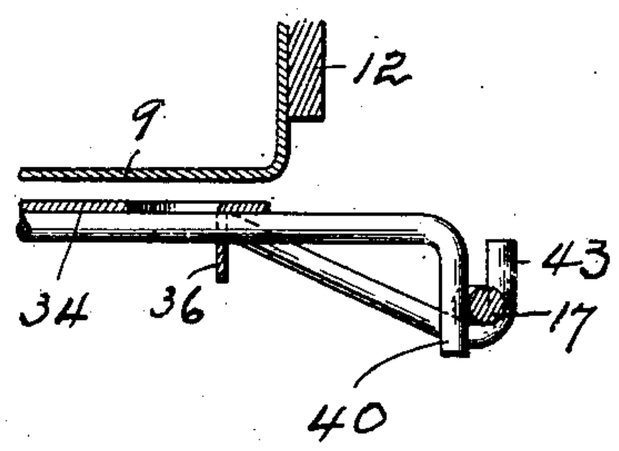

Fig. 5.

Fig. 4.

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UNITED STATES PATENT OFFICE.

FRED M. GIDDINGS, OF GALESBURG, ILLINOIS, ASSIGNOR OF ONE-FOURTH TO GEORGE W. PALMER AND ONE-FOURTH TO CHARLES A. WESTRING, OF GALESBURG, ILLINOIS.

COPY-HOLDER.

940,003. Specification of Letters Patent. **Patented Nov. 16, 1909.**

Application filed June 13, 1908. Serial No. 438,289.

To all whom it may concern:

Be it known that I, FRED M. GIDDINGS, a citizen of the United States, and a resident of Galesburg, in the county of Knox and State of Illinois, have invented a new and useful Copy-Holder, of which the following is a specification.

The invention relates to devices for holding copy, especially for the use of typewriter operators, which devices are adapted to hold either sheets of paper or a stenographer's note-book in proper position to enable the operator to readily follow the copy.

One of the principal objects of the invention is to provide a simple and effective line-guide, which guide is not only adapted for instant removal or replaceal at the will of the operator, but which, if not so removed, will be automatically released from the means which carries it when it has reached the bottom of the table which it traverses.

Another main object is to provide improved means whereby the line-guide may be actuated.

Still another object is to provide novel means whereby the line-guide may be set or adjusted to travel a predetermined distance at each movement of the means by which it is actuated.

A further object is to provide improved means whereby a note-book may be securely held in place and a portion of its leaves (those already copied or transcribed) be held in rear of the table and entirely out of the way. In this connection a subsidiary improvement has been evolved, it residing in a further use of such retaining means as a filing hook or pin for single sheets.

A further object is to provide a novel repository in which the copyist's pencil, eraser and other accessories may be conveniently placed.

With these and other objects in view, which will readily appear as the nature of the invention is further disclosed and better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter described.

Mechanism showing the structural features, arrangement, connection and mutual relationship of the several parts of my improvement is illustrated in the accompanying drawings, in which:

Figure 1 is a front elevation; Fig. 2, a rear elevation; Fig. 3, a sectional elevation, taken in the line 3—3 in Fig. 2; Fig. 4, a sectional view in the line 4—4 in Fig. 2; and Fig. 5, a sectional view in the line 5—5 in Fig. 1.

Like parts are indicated by like numerals of reference in the different figures of the drawings, referring to which—

2 indicates a pedestal, partly broken away, provided with a vertical axial recess in which is seated, to be adjusted vertically by a thumb-screw 3 a sliding rod 4 having a head 5 in which is pivoted at 6 a segment 7 preferably integral with a plate 8 which may be fixed to the table 9 in any suitable manner. The head is apertured and threaded to receive the threads of a thumb-screw 10. At the head of the table is fixed a spring-clip 11 for holding the copy.

As far as above described, the device does not and need not differ essentially from others, and it will be understood that it has been described only to illustrate the operation of my improvement. It will be further evident that said improvement may be used with supporting means of various constructions.

The table is suitably mounted on a rectangular frame 12, the side bars of which are apertured at their upper portions for the reception of a rod or axle 13 which has at each end a belt-wheel 14. A short distance from its lower end the frame supports an axle 15 which carries belt-wheels 16, each side pair of wheels 14 and 16 being embraced by an endless belt 17. The side bars are apertured also for the reception of a rod 18, which latter is further mounted in bracket arms 19 fixed to the lower transverse frame bar. The terminals of the outer pair of arms 20 of a space-key 21 pass through slots in the table 9 and are loosely seated on the rod 18, and the median portion of its central (and actuating) arm 22 is likewise mounted thereon and passes through a slot in said table. The arm 22 is substantially an S-shaped lever, and its outer end is apertured for the reception of a short pivot-bolt 23 which carries a pawl 24 provided with a stop-pin 25[a]. The free end of the pawl 24 is adapted to engage and actuate the ratchets on a wheel 25 fixed on the axle 15, a spring pawl or detent 26 suitably fixed to the frame serving to pre-

vent backward movement of said wheel 25. The pawl 24 is preferably gravity-actuated or held in engagement with the ratchet, but may be so held by a spring 27, Fig. 3. A boss 28 suitably fixed on the table 9 is provided with a substantially vertical threaded aperture which receives the threaded portion of a thumb-screw 30. An aperture is bored at a right angle to the aperture just recited to communicate therewith, and receives one leg of a hook 32ª which is adapted to be contacted by the stop-pin 25ª. Adjustment of the hook in an evident manner in its recess, where it is fixed after such adjustment by the thumb-screw 30, will adapt the pawl for engagement with one, two or three of the ratchet teeth to effect selective part-revolution of the shaft when the space-key is moved. Springs 32, one end of each of which is fixed to one of the side arms of the space-key and its other end to a frame bar by an assembling nut 33, return said key to its normal position after each of such movements.

My improved line-guide or indicator comprises a plate 34 upon which is a scale 35 preferably corresponding with that on a typewriter. Struck up from its outer portions are ears 36, and from its median portion are struck up ears 37, all of which are perforated.

Each end of a U-shaped spring 38 is fixed to an eye 39 formed from one end of a sliding rod 40 which moves freely in each pair of ears or guides 36, 37, the projecting end of each rod being forwardly bent to form a finger 41. The inner pair of ears further constitutes stops to limit the outward movement of the fingers 41. Fixed along the upper and lower sides respectively of the plate and extending therebeyond, and slightly beyond the fingers 41 are wires or rods 42 and 43, the end portions of which are divergent and bent rearwardly. The line-guide may be readily placed upon the belts 17 to travel therewith by pressing together upon the ends of the spring 38 to draw the fingers 41 inwardly, then positioning the guide in an evident manner and releasing the spring. If the operator should fail to remove the guide by an operation contrary to that last described, when the belts have carried it to the lower part of the table, the lower portion of the spring will contact the arciform portion of the middle arm of the space-key, be directed outwardly thereby, and the rims of the lower belt-wheels will force it from off the belts.

45 is a boss provided with a threaded recess for the engagement of a screw-bolt 46 on which is loosely mounted the coils of an L-shaped wire having a pointed end 47 and a weighted end 48. When in the position shown by full lines at Fig. 4, it serves to hold the turned back and copied pages 49 of a note-book 50 which is held on the table by the clip 11. When the pointed end of the hook is thrown upwardly, as shown by dot lines at same figure, separate leaves 52 may be impaled thereon, as in the event of a note-book not being used.

The lower portion of the table is preferably extended as shown, to form a repository 51 for the copyist's pencil, eraser, etc.

In operation, other than as hereinbefore described, when the key 21 is struck by the operator the pawl 24 will actuate the wheel 25 and thereby the shaft 15 which will in turn transmit motion to the wheels 16 and belts 17. The spring-fingers 41 will press the belt outwardly against the rigid ones, and the line-guide will travel therewith.

Having thus described my invention, I claim as new:

1. In a copy-holder, in combination, endless belts, means for actuating them, and a line-guide carried by said belts, said actuating means constituting also a doffer for said line-guide.

2. In a copy-holder having a table, endless belts traversing its length, a doffable line-guide on said belts, wheels embraced by said belts, a shaft whereon some of said wheels are mounted, a ratchet-wheel on said shaft, a pawl for actuating it, and means for imparting periodic movements to said pawl.

3. In a device of the character described, in combination with a table and a traveling belt at each side thereof, a line-guide comprising a plate, bent fingers fixed thereto and adapted to engage said belts on one side thereof, and spring-actuated fingers slidably mounted with reference to said plate and adapted to engage said belts on the other side thereof, whereby said line-guide is carried along with and by said belts.

4. In a device of the character described, in combination with a table and a traveling belt at each side thereof, a line-guide comprising a plate, bent fingers fixed thereto and adapted to engage the outer portion of and to extend beyond said belts, and slidable fingers adapted to engage the inner sides of said belts whereby said line-guide is carried along with and by said belts.

5. In a device of the character described, in combination with a table and a traveling belt at each side thereof, a line-guide comprising a plate, bent fingers fixed thereto and adapted to engage the outer portions of and extend beyond said belts, slidable fingers adapted to engage the inner sides of said belts, whereby said line-guide is carried along with and by said belts, and a spring whereby said slidable fingers may be actuated in one direction.

6. In a device of the character described, in combination with a table, belts extending

throughout its length at each side thereof, belt-wheels traversed thereby, and a line-guide comprising a plate, bent fingers fixed thereto and adapted to engage the outer portions of said belts, and slidable fingers adapted to engage the inner sides of said belts.

In witness whereof, I have hereunto set my hand this 6th day of June, 1908.

FRED M. GIDDINGS.

In presence of—
C. E. JORDAN,
I. N. COAKLEY.