

(No Model.)

M. L. PIPES & E. F. PERNOT.
COPY HOLDER FOR TYPE WRITING MACHINES.

No. 434,356.

Patented Aug. 12, 1890.

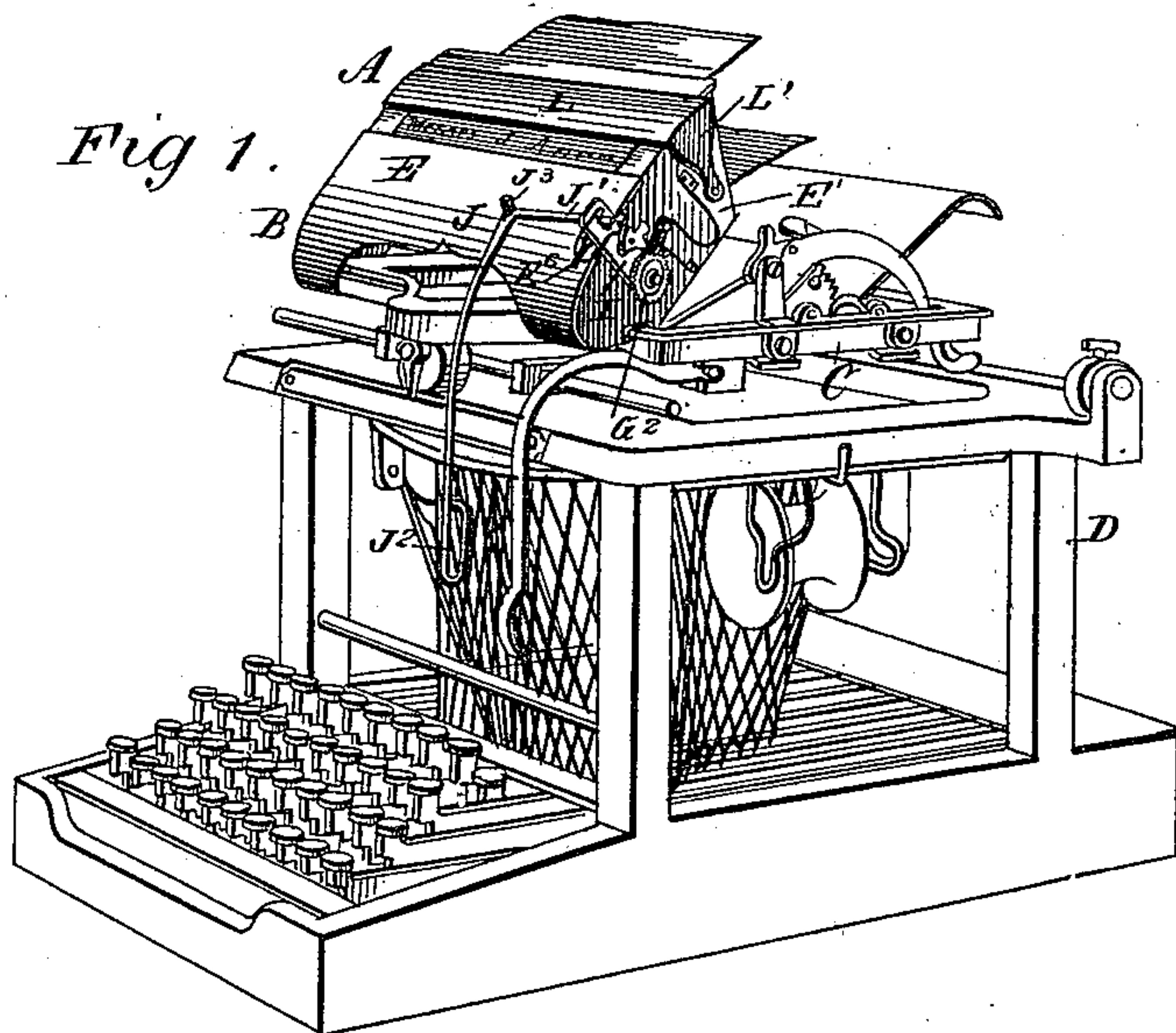


Fig 1.

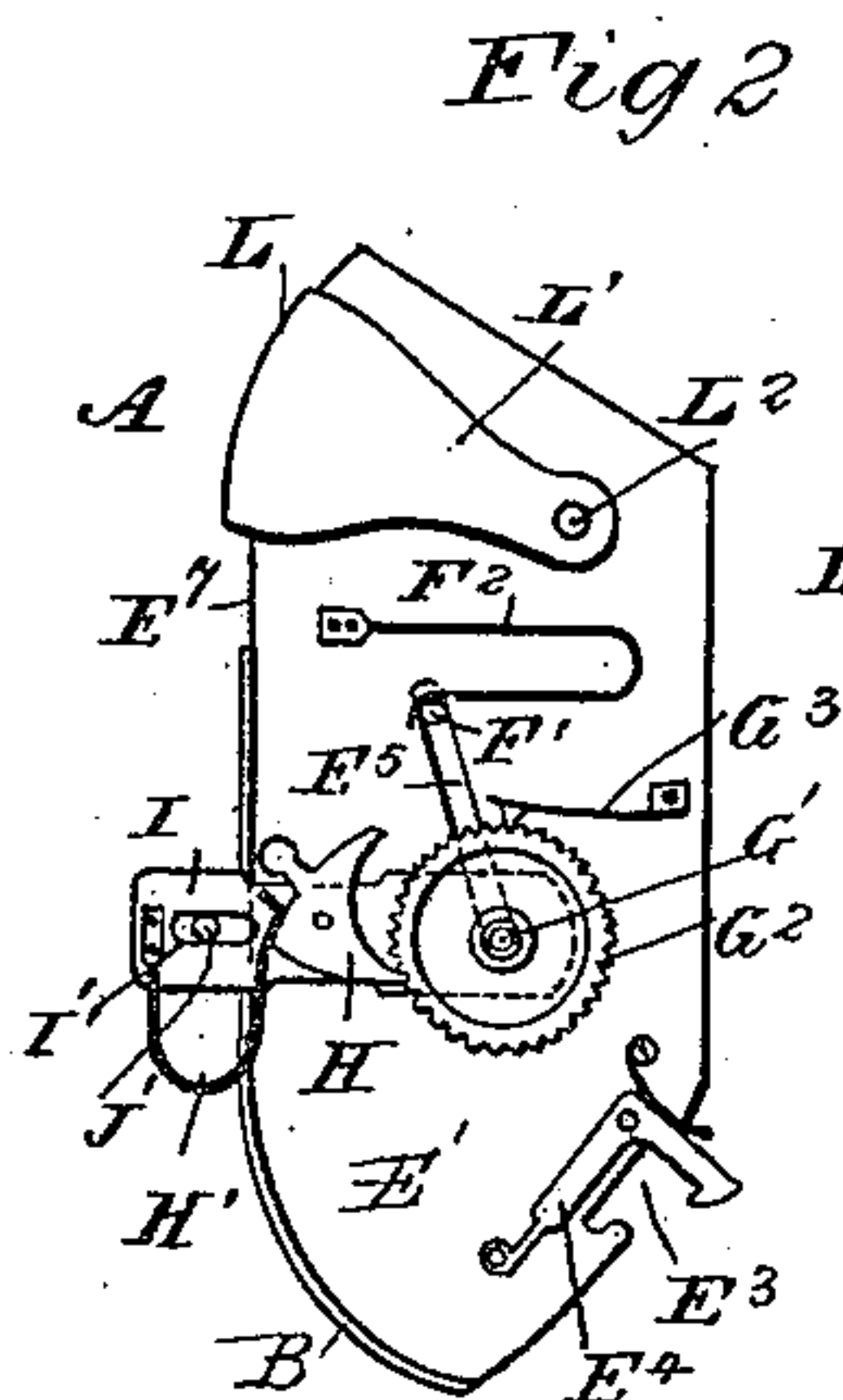


Fig 2

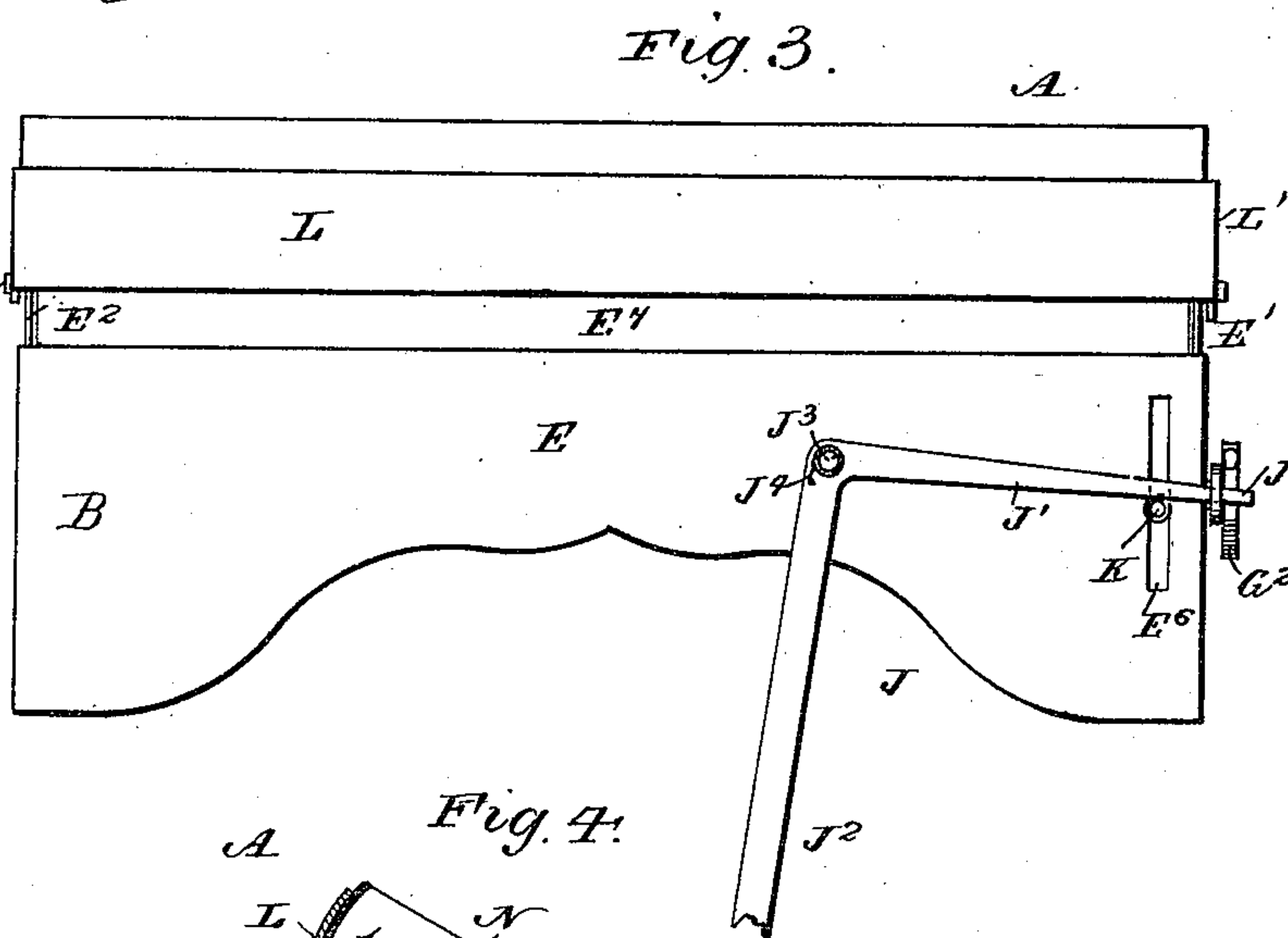


Fig. 3.

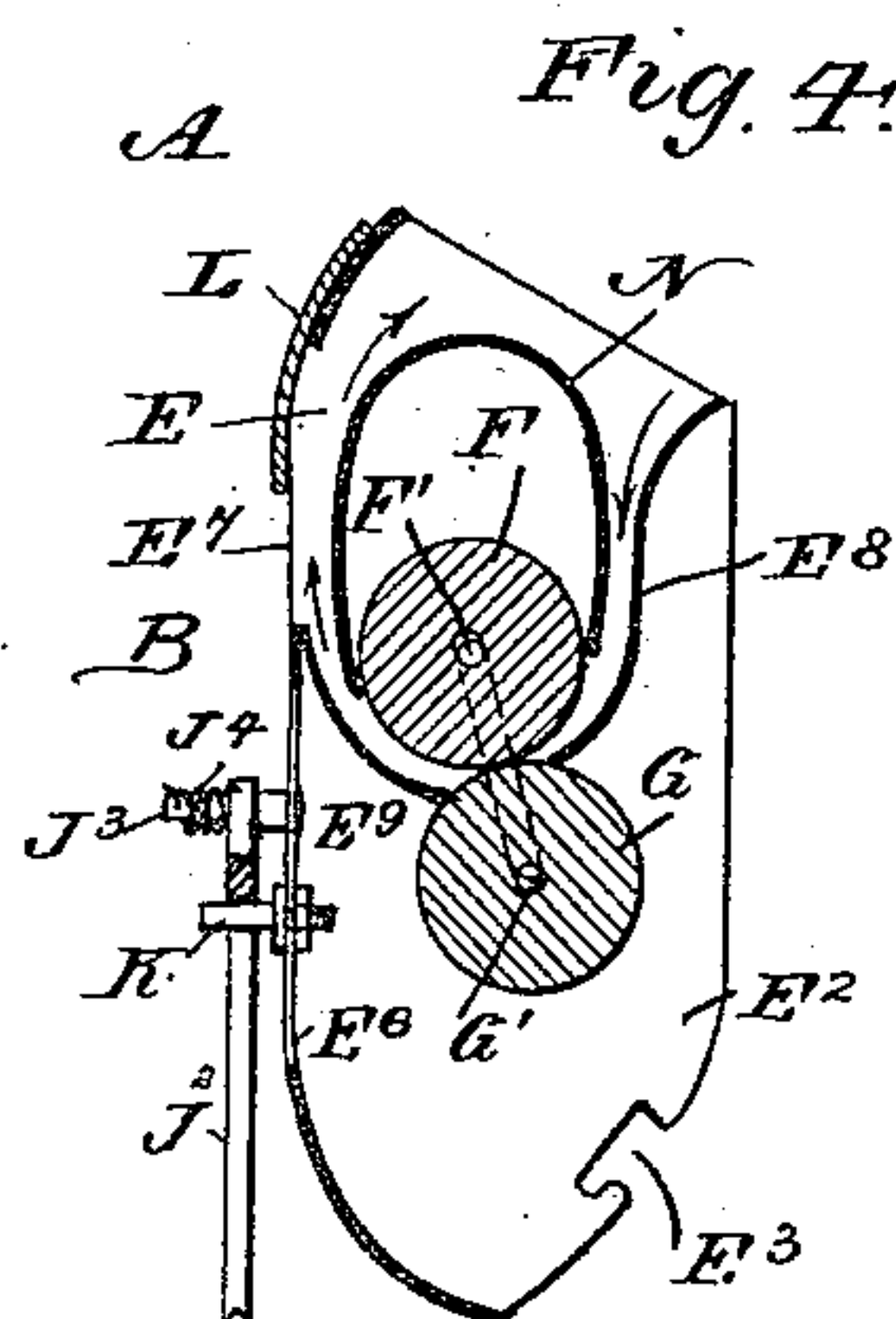


Fig. 7.

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MARTIN L. PIPES AND EMILE F. PERNOT, OF CORVALLIS, OREGON.

COPY-HOLDER FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 434,356, dated August 12, 1890.

Application filed May 26, 1890. Serial No. 353,198. (No model.)

To all whom it may concern:

Be it known that we, MARTIN L. PIPES and EMILE F. PERNOT, of Corvallis, in the county of Benton and State of Oregon, have invented
5 a new and Improved Copy-Holder for Type-Writing Machines, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved copy-holder specially designed for use on type-writing machines, which is simple and durable in construction, permits of readily inserting and moving the copy, and is easily applied and conveniently arranged to facilitate the reading of the lines.

15 The invention consists of a casing adapted to be fastened to the carriage or other part of the machine, and provided with a slot in its inclined front, rollers journaled in the said casing and between which passes the copy, 20 and a lever and ratchet mechanism for turning one of the said rollers in either direction.

The invention also consists of certain parts and details and combinations of the same, as will be hereinafter fully described, and then 25 pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

30 Figure 1 is a perspective view of the improvement as applied on a type-writing machine. Fig. 2 is an end view of the improvement. Fig. 3 is a front view of the improvement, and Fig. 4 is a transverse section of the 35 same.

The improved copy-holder A is provided with a casing B, adapted to be fastened to the front rail of the carriage C or other part of a type-writing machine D, of any approved construction. The casing B is provided with a front E, fastened to two ends E' and E², each provided in its lower edge with a recess E³, adapted to fit onto the front rail of the carriage C. A spring-pressed hook-lever E⁴ is 40 fulcrumed on each end E' and E² near the respective notch E³ and adapted to engage or hook onto the rear of the front rail of the carriage C, so as to fasten the casing B in place.

50 Within the casing B are arranged two longitudinally-extending rollers F and G, of which the roller F is mounted with its trun-

nions F' loosely in an inclined slot E⁵, formed in the ends E' and E² of the casing B. A spring F² presses on each of the trunnions F', 55 so as to force the roller F toward or onto the copy placed between the rollers F and G. The other roller G is mounted with its trunnions G' in fixed bearings in the ends E' and E², and the outer end of one of the said trunnions is provided with a ratchet-wheel G², adapted to be engaged by a double pawl H on the end E' of the casing B. A spring H' presses on the said pawl H, so as to hold one of its pointed ends in contact with the teeth 65 of the ratchet-wheel G². The pawl H is fulcrumed on an arm I, loosely fulcrumed on the trunnion G', carrying the ratchet-wheel G².

In the arm I is arranged a transversely-extending slot I', into which extends one arm J' 70 of a bell-crank lever J, having its other arm J² extending downward on the front of the type-writing machine D to within a short distance of the keys, as is plainly illustrated in Fig. 1, so that the said arm J² of the bell- 75 crank lever J can conveniently be manipulated by the operator. The bell-crank lever J is mounted to turn on a stud J³, secured to the front E of the casing B. A torsion-spring J⁴ is fastened with one end of the said stud 80 J³ and connected at its other end to the said lever J, so as to hold the latter in a normal position. In the front E is arranged a slot E⁶, in which is held an adjustable bolt K, which serves to limit the movement of the 85 arm J' of the bell-crank lever J, so that the copy is moved a certain distance when the bell-crank lever J is operated, as hereinafter more fully described. In the front E of the casing B is also arranged a longitudinally-extending slot E⁷, through which the lines of the copy appear, so as to be conveniently read by the operator. The width of the slot E⁷ can be increased or diminished by a longitudinally-extending plate L, provided at each end 95 with rearwardly-extending arms L', fulcrumed at L² on the ends E' and E² of the casing B. By moving the plate L up or down the width of the slot E⁷ is increased or diminished, according to the height of the reading-lines of 100 the copy, so that one of the lines, or more, as may be desired, may appear through the slot E⁷ when the device is used.

In order to hold the roller G in place after

it has been moved, a spring-pawl G^3 is provided, secured to the end E' and engaging the ratchet-wheel G^2 , as is plainly illustrated in Fig. 2. In order to guide the copy between the rollers F and G , a longitudinally-extending plate E^8 is provided, curved in **S** shape, as is plainly shown in Fig. 4, and extending from near the top of the roller G upward and rearward, as is plainly indicated in the figure mentioned. A segmental plate E^9 is also fastened between the ends E' and E^2 in front of the roller F , the said plate extending from the top of the roller G at its front to the lower edge of the slot E^7 . An inverted-**U**-shaped plate N extends from one end E' to the other end E^2 of the casing and passes with its downward end close to the roller F , thus forming on its rear end a passage-way with the plate E^8 for the introduction of the copy, and also forming on its front end with the plate L a passage for the paper after it leaves the rollers F and G . The paper in passing over the top rounded part of the plate N is guided rearward.

The operation is as follows: The casing B is fastened to the front rail of the carriage C in the manner previously described, so that the casing moves with the carriage on the top in the usual manner. The notches E^3 in the ends E' and E^2 are so arranged that when the casing is secured on the carriage the front E extends in an inclined position, so that the reading-lines on the copy can be conveniently read by the operator, said lines appearing through the slot E^7 . The copy is placed onto the longitudinally-extending plate E^8 , so that its lower edge passes between the rollers F and G . The operator by then moving the arm J^2 of the bell-crank lever J to the left causes the arm I to swing downward, so that the ratchet-wheel G^2 is turned by the action of the pawl H . This movement of the ratchet-wheel G^2 causes a like movement of the roller G , so that the copy is fed forward between the rollers F and G onto the plate E^9 , which guides the copy upward over the longitudinal curved plate N , so that the reading-matter appears through the slot E^7 , the width of which is regulated by the plate L , as previously described. When the operator has copied to the end of the line appearing in the slot E^7 , then he moves the arm J^2 of the bell-crank lever J to the left, so that the arm I is again swung downward to turn the roller G , as before described, to further feed the copy forward to bring the next line into the slot E^7 . The return-movement of the lever J , as well as the arm I , is always accomplished by the action of the torsion-spring J^4 . By adjusting the bolt K in the slot E^9 the movement of the roller G is regulated, so that the copy is fed more or less according to the height of the lines of the reading-matter or distance between lines. When the operator desires to turn the copy backward, so as to compare already-copied matter with the type-written copy, then he changes the pawl H , so that the

other arm of the latter engages the ratchet-wheel G^2 . By then moving the lever J , as previously described, the roller G is turned in an opposite direction and the copy moves backward until the desired reading-matter appears in the slot E^7 . As the entire copy-holder is held on the carriage C , it moves with the latter longitudinally and is swung upward with the carriage when the operator desires to examine the type-written copy. Thus it will be seen that the copy is immediately in front of the eyes of the operator and only the line to be copied is in view. The next line is brought into view by a simple and quick movement of the lever without leaving the key-board, as the arm J^2 extends to within a short distance of the said key-board.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In a copy-holder, the combination, with a casing provided with a longitudinal slot in its inclined front, of rollers journaled in the said casing and between which is adapted to pass the copy, and a lever and ratchet mechanism for turning one of the said rollers, substantially as shown and described.

2. In a copy-holder, the combination, with a casing provided with a longitudinal slot in its inclined front, of rollers journaled in the said casing and between which is adapted to pass the copy, a lever and ratchet mechanism for turning one of the said rollers, and springs for pressing the other roller toward the roller having the ratchet mechanism, substantially as shown and described.

3. In a copy-holder, a casing provided with a slotted front, notched ends carrying the said front, and spring-pressed hook-levers for locking the said casing to the carriage of a type-writing machine, substantially as shown and described.

4. In a copy-holder, a casing comprising a slotted front, ends held on the said front and adapted to be fastened to a type-writing machine, and a plate pivoted to the said ends and adapted to increase or diminish the width of the said slot, substantially as shown and described.

5. In a copy-holder, the combination, with two rollers between which is adapted to pass the copy, of a ratchet-wheel secured to one of the said rollers, a pawl engaging the said ratchet-wheel, an arm loosely fulcrumed on the trunnion carrying the said ratchet-wheel, the said arm carrying the said pawl, and a bell-crank lever connected by one of its arms with the said arm, and another arm extending downward to be within a short distance of the key-board of a type-writing machine, substantially as shown and described.

6. In a copy-holder, the combination, with two rollers between which is adapted to pass the copy, of a ratchet-wheel secured to one of the said rollers, a pawl engaging the said ratchet-wheel, an arm loosely fulcrumed on the trunnion carrying the said ratchet-wheel,

the said arm carrying the said pawl, a bell-crank lever connected by one of its arms with the said arm, the other arm extending downward to be within a short distance of the keyboard of a type-writing machine, and an adjustable bolt to limit the movement of the said bell-crank lever, substantially as shown and described.

7. In a copy-holder, the combination, with two rollers between which is adapted to pass the copy, of a ratchet-wheel secured to one of the said rollers, a pawl engaging the said ratchet-wheel, an arm loosely fulcrumed on the trunnion carrying the said ratchet-wheel, the said arm carrying the said pawl, a bell-crank lever connected by one of its arms with the said arm, the other arm extending downward to be within a short distance of the keyboard of a type-writing machine, and a spring connected with the said bell-crank to return

it to its normal position, substantially as shown and described.

8. In a copy-holder, the combination, with a casing having a slot in its front, of rollers journaled to the said casing, an S-shaped plate secured in the said casing and extending from the rear of the said two rollers upwardly and rearwardly between the ends of the casing, a curved plate arranged in front of the said rollers and leading to the lower edge of the said slot, and a second curved U-shaped plate arranged above the rollers to form passages for the paper, substantially as shown and described.

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