

(No Model.)

G. L. RAWDON.

FEEDING ATTACHMENT FOR TYPE WRITING MACHINES.

No. 568,118.

Patented Sept. 22, 1896.

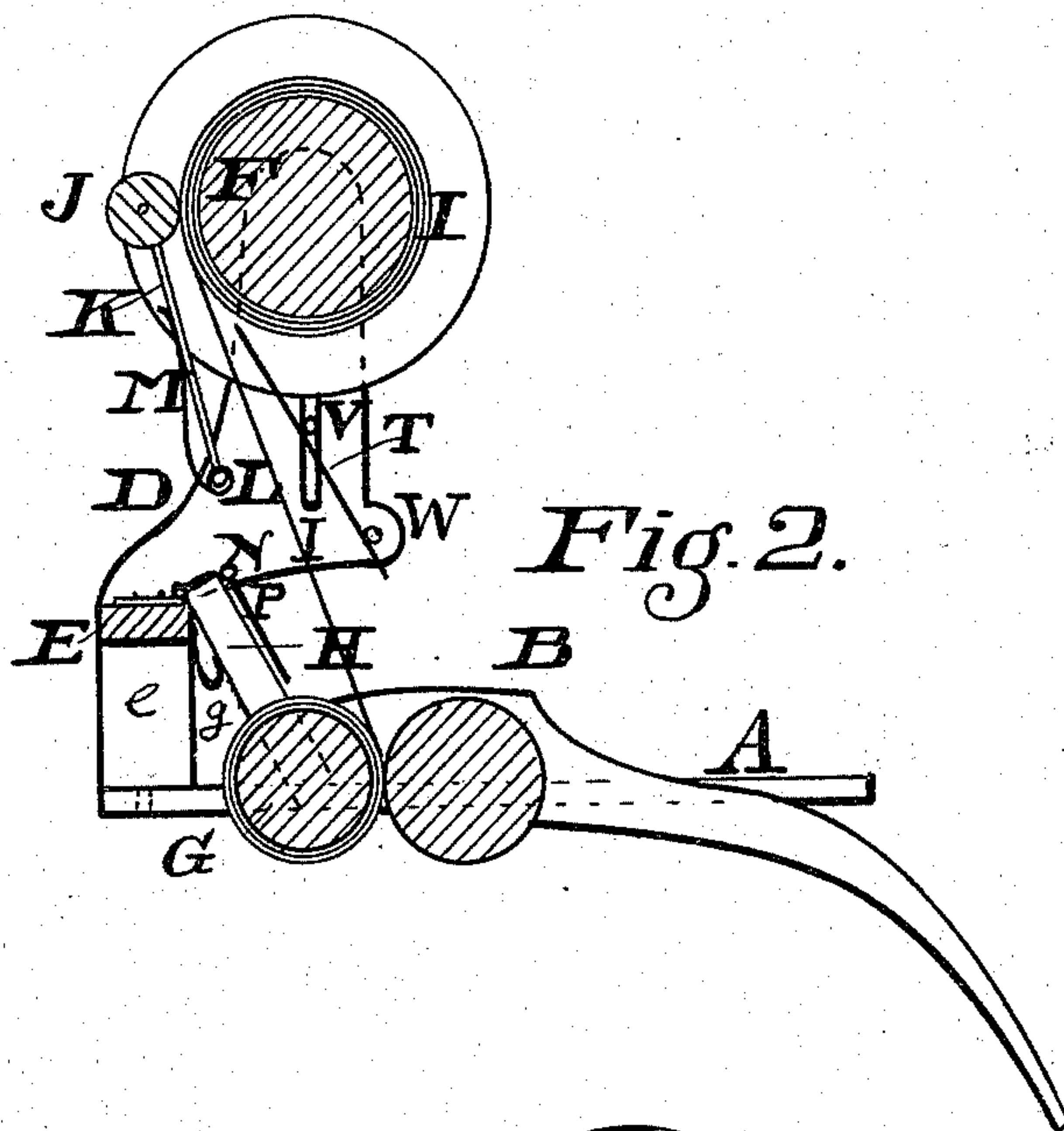


Fig. 2.

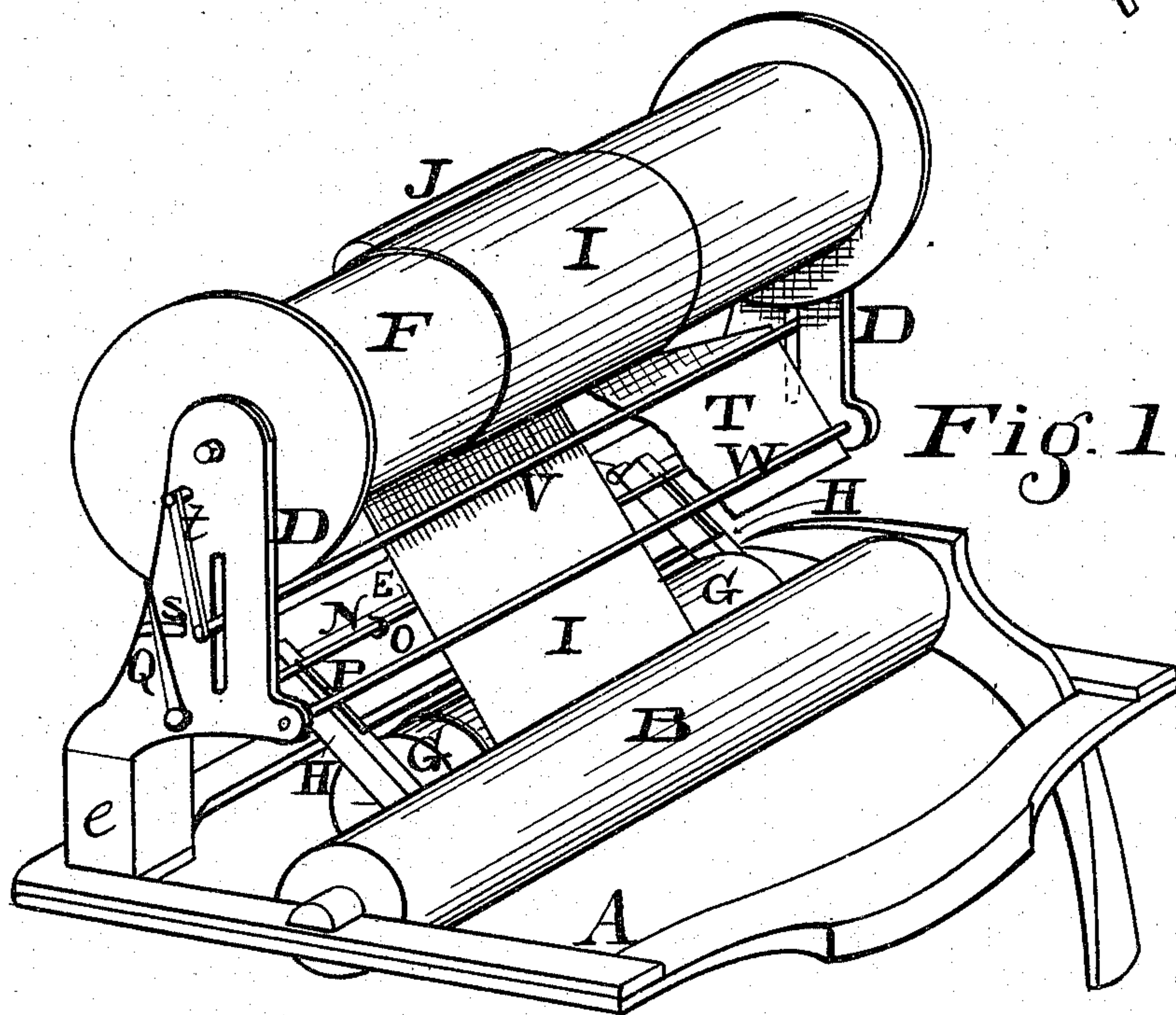


Fig. 1.

Witnesses,

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UNITED STATES PATENT OFFICE.

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FEEDING ATTACHMENT FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 568,118, dated September 22, 1896.

Application filed November 27, 1895. Serial No. 570,257. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. RAWDON, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Feeding Attachments for Type-Writing Machines, of which the following is a specification.

This invention relates to a paper-feeding attachment for type-writing machines; and it consists in improvements on my Patent No. 519,390, dated May 8, 1894, and has for its object to simplify and cheapen the construction without diminishing the efficiency of the device; and the improvement consists in the removal of and dispensing with the gear-train at the left of the machine and in the location of the take-up roller down by the side of the platen-roller, so that the take-up roller shall derive its motion from the platen-roller. This improvement is constructed and adapted to operate substantially as hereinafter described, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved feeding device as seen mounted on a type-writer in working order. Fig. 2 is a cross-section of the device through the middle of the rollers, showing the connection of the feed mechanism with the platen-roller of the type-writer.

A represents a part of the carriage-frame of a type-writing machine.

B is the platen-roller of the type-writer.

D D are the end posts of a frame which supports the working parts of my new feeding device.

E is a bar to which the lower corners of said posts are attached, and *e e* are legs at each end by which the device is supported on the frame A. Dowel-pins (shown in dotted lines in Fig. 2) in the bottoms of the legs entering holes in the frame A hold the device in place.

F is a roller journaled in the top part of the posts D D.

G is a second roller journaled in a frame H, hinged to the bar E in such a manner that said roller may bear against the platen-roller B. Springs *g g* are attached to the bar E, which bear against the end bars of the frame

H, which serve to press the roller G against the platen-roller B, from which the roller G derives rotary movements.

I is a ribbon having its ends attached to the rollers F and G, respectively, and is wound from the upper to the lower roller in the performance of feeding paper to the platen-roller, as hereinafter shown.

J is a short roller journaled in a frame K, pivotally attached to a longitudinal rod L, supported by the posts D D. Said roller bears against the ribbon I with pressure derived from a spring M on the rod L, and is designed for holding the sheets of paper that are rolled in the coils of the ribbon from slipping.

N is a rod held in staples *o o* in the bar E, and has a frame P attached, which lies upon the frame H. The rod extends through the post at the left, and has a lever Q attached, by means of which the pressure of the roller G may be thrown off from the platen-roller B. A spring-catch S is attached to the post which will hold the lever over for retaining the roller G in the off-pressure position.

T is a guide-plate underneath the roller F, designed for guiding the sheets of paper between the roller G and the platen-roller. Said guide-plate is attached to a rod V, having its ends extending through slots in the posts D D. Said guide-plate is self-adjustingly held up against the roller F by elastic cords *t t*, attached to the posts above the ends of the protruding ends of the rod V.

W is a rod attached to the lower corners of the posts, against which the lower portion of the guide-plate T bears to keep it in position relative to the ribbon as the roll on the roller F increases or decreases.

The method of using this device is like that of my former patent, No. 519,390, which is to insert sheets of paper between the coils of the ribbon while rolling the ribbon up on the roller F and feeding said sheets in succession to the platen-roller as the work of the type-writer goes on.

Having described my invention, I claim—

1. The combination of rollers F, G, ribbon I, having its ends attached, respectively, to said rollers, the roller G bearing against the platen-roller B, and deriving motion there-

from, the device adapted for delivering paper held within the coils of said ribbon to the platen-roller, substantially as described.

2. The combination with the frame H and
5 roller G, of the rod N, having frame P bearing on said frame H, lever Q and latch-spring S, adapted for releasing the pressure of roller

G against the platen-roller B, substantially as and for the purpose set forth.

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