

A. SCHNEELOCH.
CONTROLLING MEANS FOR PAPER FEED ROLLERS.
APPLICATION FILED JUNE 12, 1911.

1,058,632.

Patented Apr. 8, 1913.

Fig. 1.

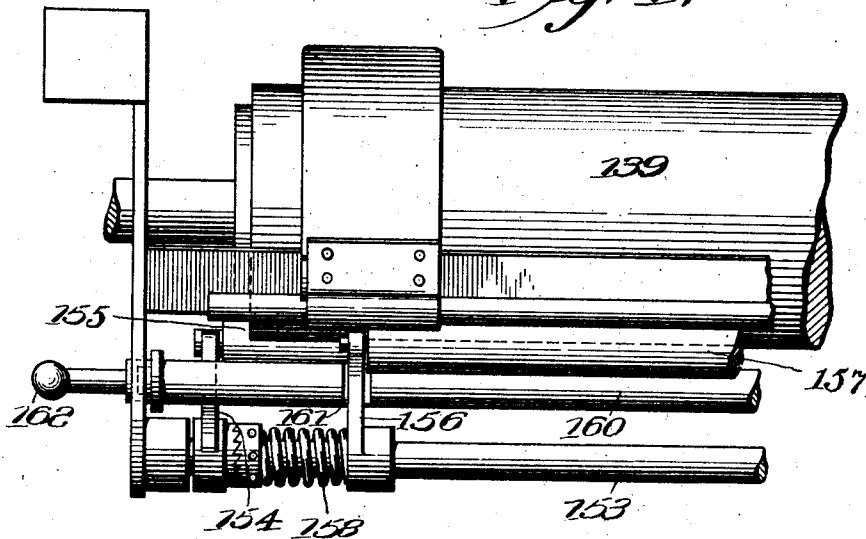
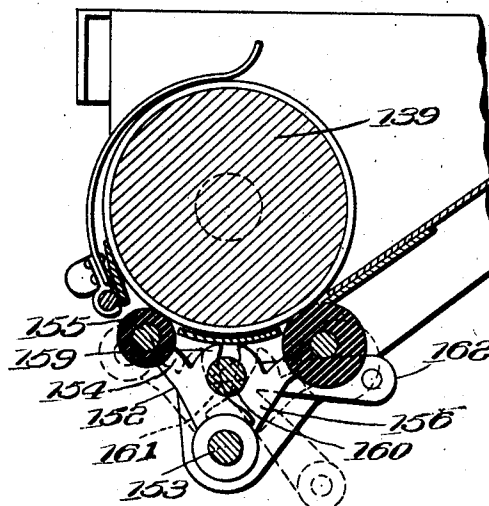


Fig. 2.



WITNESSES

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AUGUST SCHNEELOCH, OF ONEIDA, NEW YORK, ASSIGNOR OF ONE-HALF TO JOHN E. THOMAS, OF NEW YORK, N. Y., AND ONE-HALF TO E. C. STEARNS & CO., OF SYRACUSE, NEW YORK, A CORPORATION OF NEW YORK.

CONTROLLING MEANS FOR PAPER-FEED ROLLERS.

1,058,632.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Original application filed April 7, 1900, Serial No. 11,993. Renewed August 9, 1910, Serial No. 576,392. Divided and this application filed June 12, 1911. Serial No. 632,750.

To all whom it may concern:

Be it known that I, AUGUST SCHNEELOCH, a citizen of the United States, residing at Oneida, county of Madison, and State of New York, have invented new and useful Improvements in Controlling Means for Paper-Feed Rollers, of which the following is a specification.

My invention relates to the paper-feed rollers of a typewriting machine and consists in a new method for constructing the same and new means and arrangement of parts whereby they may be released.

This application is a division of my renewal application Ser. No. 576,392 filed August 9th, 1910, originally filed April 7, 1900, Ser. No. 11,993.

My invention is fully shown in the drawing herewith, in which the reference numerals of the description indicate the corresponding parts in the figures.

Figure 1 is a partial plan view of the platen and paper feed rollers, constructed in accordance with my invention and Fig. 2 is a vertical cross sectional view of the same.

In the drawing 139 is the platen and 153 is a shaft fixed to the platen frame directly underneath the platen, upon which are journaled arms 154 carrying 155 one of the feed rollers, and arms 156 carrying 157, the other of said rollers. 158 is an ordinary, adjustable, door-check spring regulating the pressure of said rollers against said platen. Each of said arms is provided with a projection 159, and journaled on said platen frame is a rotatable bar 160, having cam surfaces 161 operatively adjusted with each of said projections from said arms, so that, upon the rotation of the said bar 160 the cam surfaces 161 thereof will operate upon the projections 159 from the said arms bearing the rollers and raise them from contact with the platen. Connected with said rotatable bar 160 is a handle 162, so that the operator may release said rollers from the platen at will.

My feed roller mechanism is convenient, effective and positive in operation and may be adjusted as described.

I do not limit myself to the mechanism as shown as it may be varied in construction and arrangement without departing from my invention.

Having described my invention, I claim,

1. The combination with the platen, of an operating shaft located adjacent thereto, pivoted arms extending in opposite directions from their pivots, and provided with projections or tappets which embrace an irregular portion of the said shaft between them, and feed rollers carried by said arms.

2. The combination with the platen, of an operating shaft located adjacent thereto, pivoted arms extending in opposite directions from their pivots and provided with members engaged by irregular portions of the said shaft, feed rollers carried by said arms and adjustable springs engaging said arms.

3. In a typewriting machine the device for throwing the paper feed rollers into and out of engagement with the platen, comprising a rod on the platen frame, arms journaled thereon bearing the paper feed rollers held in operative contact with the platen by springs of said rod, and a cam shaft journaled on said platen frame, the cams of which, as said shaft is turned, are adapted to work upon said arms so as to move the same against the action of said springs.

4. The combination with the platen, of a feed roller supporting shaft arranged adjacent thereto, supporting arms journaled on said shaft in pairs, the arms of each pair extending on opposite sides of the platen, feed rollers supported each in the arms extending on the same side, a spring pressing the feed rollers toward the platen, an operating bar having cam portions, and portions of the arms arranged in engagement with said cam portions.

5. The combination with the platen, of a feed roller supporting shaft arranged adjacent thereto, supporting arms journaled on said shaft in pairs, the arms of each pair extending on opposite sides of the platen, feed rollers supported each in the arms extending on the same side, means to press the feed rollers toward the platen, an operating bar having cam portions, substantially vertical portions of the arms arranged in engagement with said cam portions and means connected to said operating bar for forcing the feed rollers away from the platen.

6. In a typewriting machine, the combination with the platen of a rotatable oper-

ating shaft arranged adjacent thereto and having irregular portions thereon, pivoted arms extending from their pivots toward the platen and having opposed inner surfaces embracing the irregular portions of said shaft, resilient means to press said arms toward the platen and feed rollers supported on the ends of said arms.

7. In a typewriting machine, the combination with the platen, of a rotatable operating shaft arranged adjacent thereto and having irregular portions thereon pivoted arms extending from their pivots toward

the platen and having surfaces engaging the irregular portions of said shaft, resilient means to press said arms toward the platen and feed rollers supported on the ends of said arms.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUST SCHNEELOCH.

Witnesses:

JAMES MOORE,
FLOYD D. POTTER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."