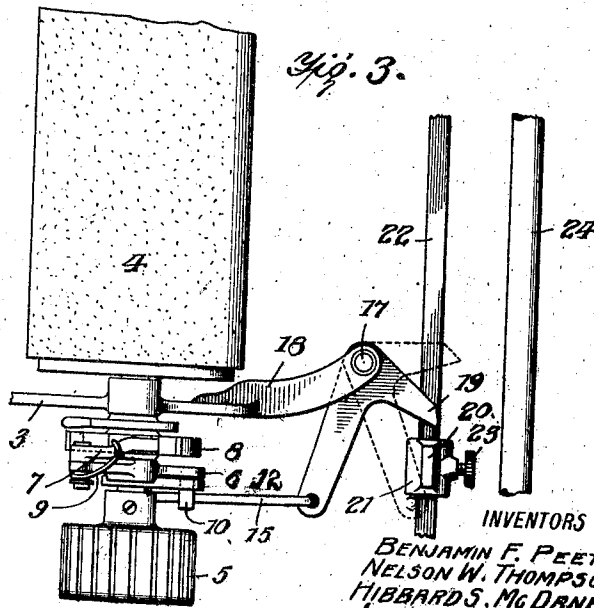
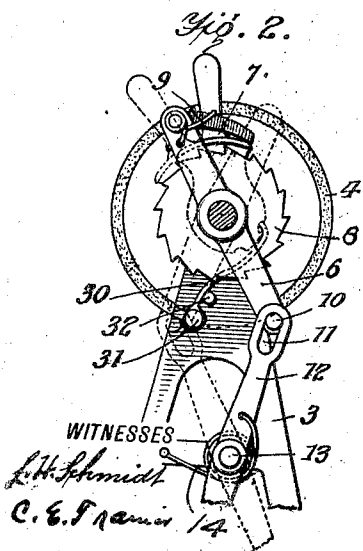
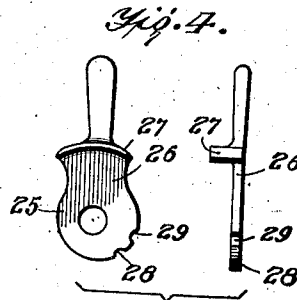
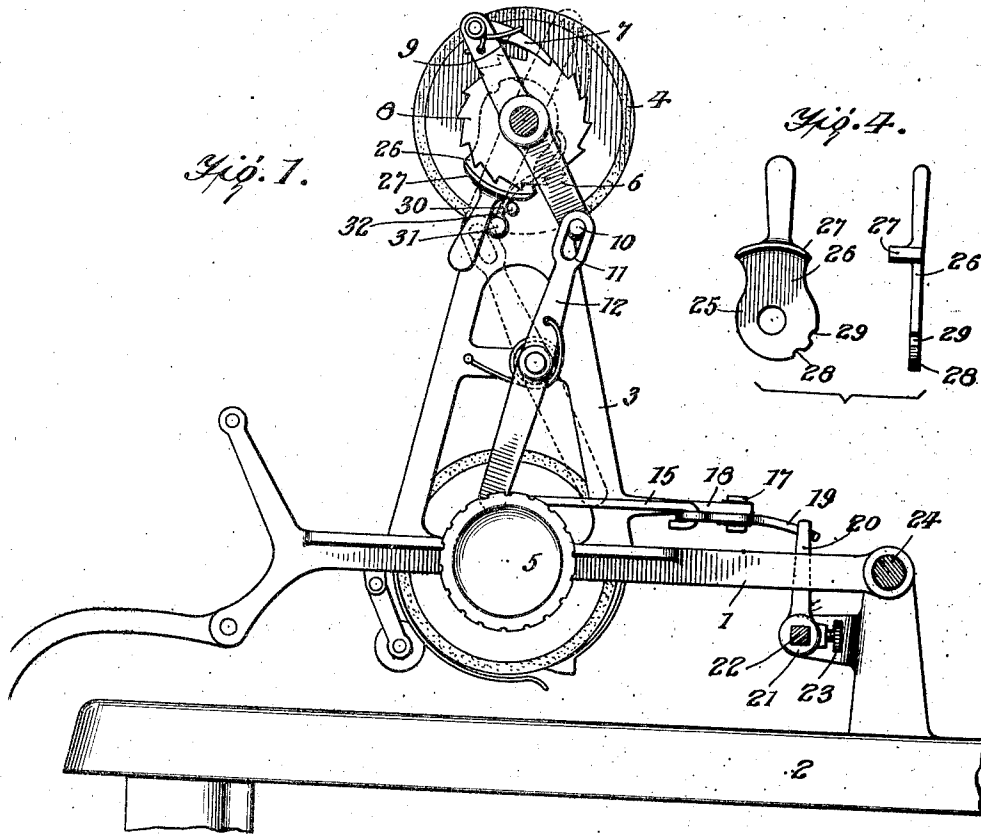


B. F. PEETZ, N. W. THOMPSON & H. S. McDANEL.
PAPER HOLDER.

APPLICATION FILED MAR. 9, 1909.

980,669.

Patented Jan. 3, 1911



INVENTORS
BENJAMIN F. PEETZ,
NELSON W. THOMPSON,
HIBBARD S. McDANEL,
Munn & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

BENJAMIN F. PEETZ, NELSON W. THOMPSON, AND HIBBARD S. McDANIEL, OF MORO, OREGON, ASSIGNORS, BY DIRECT AND MESNE ASSIGNMENTS, TO GNU TRUSTEE COMPANY, OF PORTLAND, OREGON, A CORPORATION OF OREGON.

PAPER-HOLDER.

980,669.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed March 9, 1909. Serial No. 482,312.

To all whom it may concern:

Be it known that we, BENJAMIN F. PEETZ, NELSON W. THOMPSON, and HIBBARD S. McDANIEL, citizens of the United States, and residents of Moro, in the county of Sherman and State of Oregon, have invented certain new and useful Improvements in Paper-Holders, of which the following is a specification.

Our invention is an improvement in paper holders, and consists in certain novel constructions and combinations of parts hereinafter described and claimed.

Referring to the drawings forming a part hereof—Figure 1 is an end view of the improvement showing the space regulator in one position; Fig. 2 is a similar view with the space regulator in another position; Fig. 3 is a plan view of the improvement, and Fig. 4 is a plan and side view of the space regulator.

The present embodiment of the improvement is shown applied to the carriage 1, a typewriter 2 of preferred form, and consists of a pair of standards 3, only one of which is shown, arising from each end of the carriage, and in the standards is journaled the copy roll 4, the ends of the shaft of the roll being provided with the usual heads 5, for turning the same by hand. A pawl carrier 6 is journaled by the center on the shaft roll, and one end of the carrier is provided with a pawl 7, normally pressed by a spring 9 into engagement with a ratchet wheel 8 secured to the shaft of the roll. The other end of the carrier is provided with a pin 10, engaging a slot 11 in one end of a lever 12, pivoted to the adjacent standard as at 13, and a spring 14 is provided for returning the lever and the pawl carrier. A link 15 connects the other end of the lever with one arm 16 of an elbow lever, pivoted as at 17, to a bracket 18, extending from the adjacent standard 3. The other arm 19 of the elbow lever is adapted to engage a movable abutment, consisting of an arm 20 extending upward from a sleeve 21 adjustable on the rod 22 of the typewriter and retained in its adjusted position by a set screw 23.

It will be evident from the description that when the carriage is moved back to

starting position on the rod 24, the arm 19 of the elbow lever will engage the abutment, and the lever will be swung into the dotted line position shown in Fig. 3. This movement will swing the lever 12 and the pawl carrier into the dotted line positions shown in Figs. 1 and 2, which will cause the ratchet wheel to be advanced a distance of three teeth, thus turning the copy roll three spaces.

The space regulator consists of a plate 25, provided with a central opening through which passes the shaft of the copy roll. One side of the plate is extended as at 26 beyond the edge of the ratchet wheel, and the extended portion is provided with an arc shaped flange 27, overlying the periphery of the ratchet wheel, and upon which the pawl is adapted to ride, when the regulator is in certain positions. The plate 25 is provided at one side with spaced notches 28, 29 for engagement by a spring pawl 30, secured to a standard as at 31, and bearing against a stop 32 on the standard. When the regulator is in the full line position shown in Fig. 2, with the spring pawl 30 in engagement with the notch 29, it will be evident that during the first two-thirds of its forward stroke the pawl will ride on the flange, and will not engage the ratchet wheel except during the last third, thus only moving the wheel one tooth or space. When, however, the regulator is in the dotted line position in the same figure with the spring pawl in engagement with the notch 28, the pawl will ride on the flange during the first third of its forward stroke, and the wheel will be moved two teeth or spaces. A handle 33 is provided for turning the plate 25.

We claim:

The improvement herein described comprising a typewriter carriage, a copy supporting roller provided with a ratchet wheel, a frame supporting the said copy roller from the typewriter carriage and having a rearwardly projecting arm, a bell crank lever pivoted to said rearwardly projecting arm, an abutment for engagement by one arm of said lever, an upright lever pivoted between its ends, a link connecting the lower end of said lever with the other arm of the

bell crank lever, a lever pivoted concentrically with the copy holding drum and having its lower arm connected with the upper arm of said upright lever, a pawl carried by the upper arm of said lever and engaging with the ratchet wheel of the copy holding roller and adjustable means whereby the operative engagement of said pawl with said ratchet

wheel may be varied, all substantially as and for the purposes set forth.

BENJAMIN F. PEETZ.
NELSON W. THOMPSON.
HIBBARD S. McDANEL.

Witnesses:

W. D. WALLACE,
WM. HENRICHS.