

G. SWENSON.
TYPE WRITING MACHINE.
APPLICATION FILED JAN. 22, 1909.

973,721.

Patented Oct. 25, 1910

FIG. 1

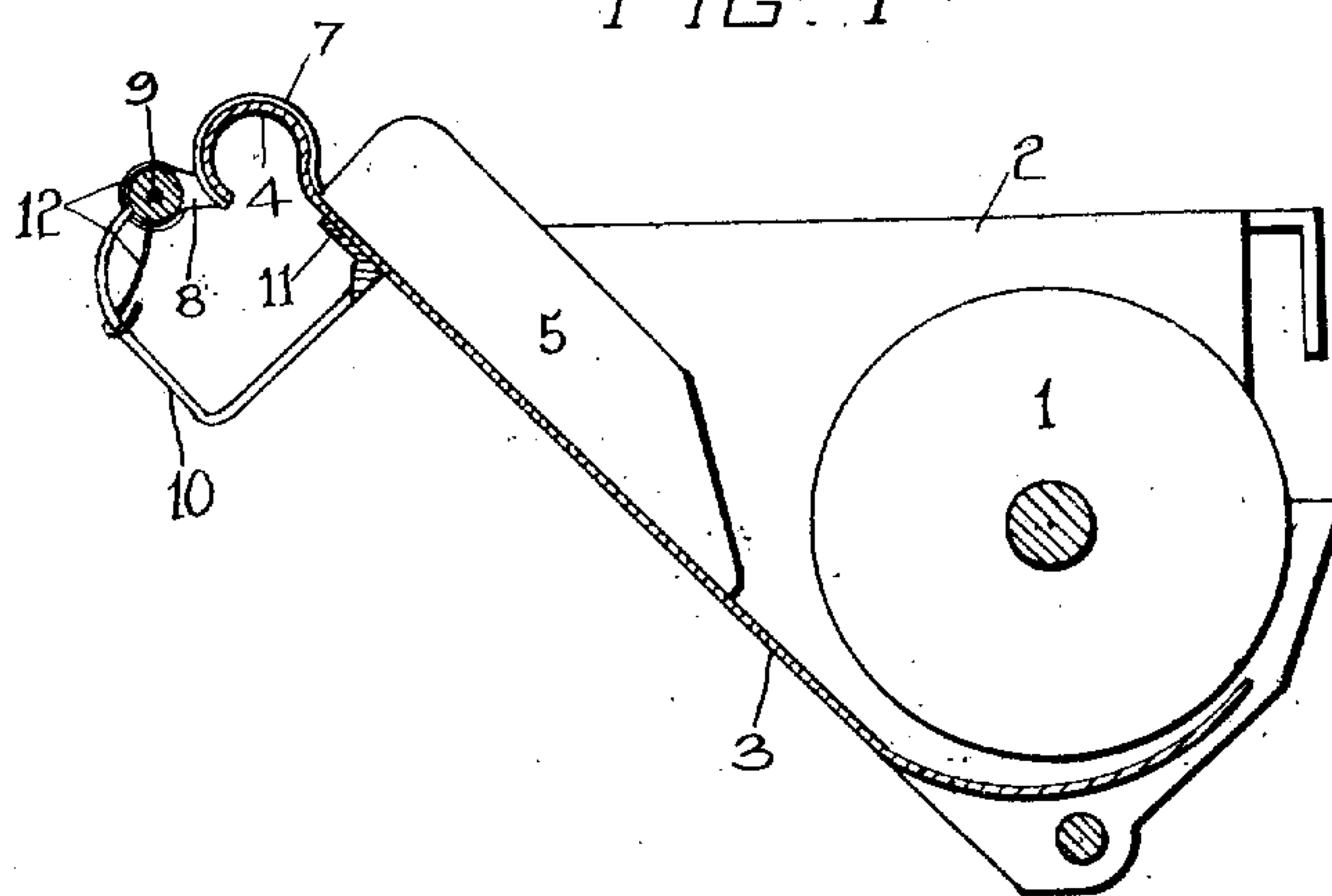
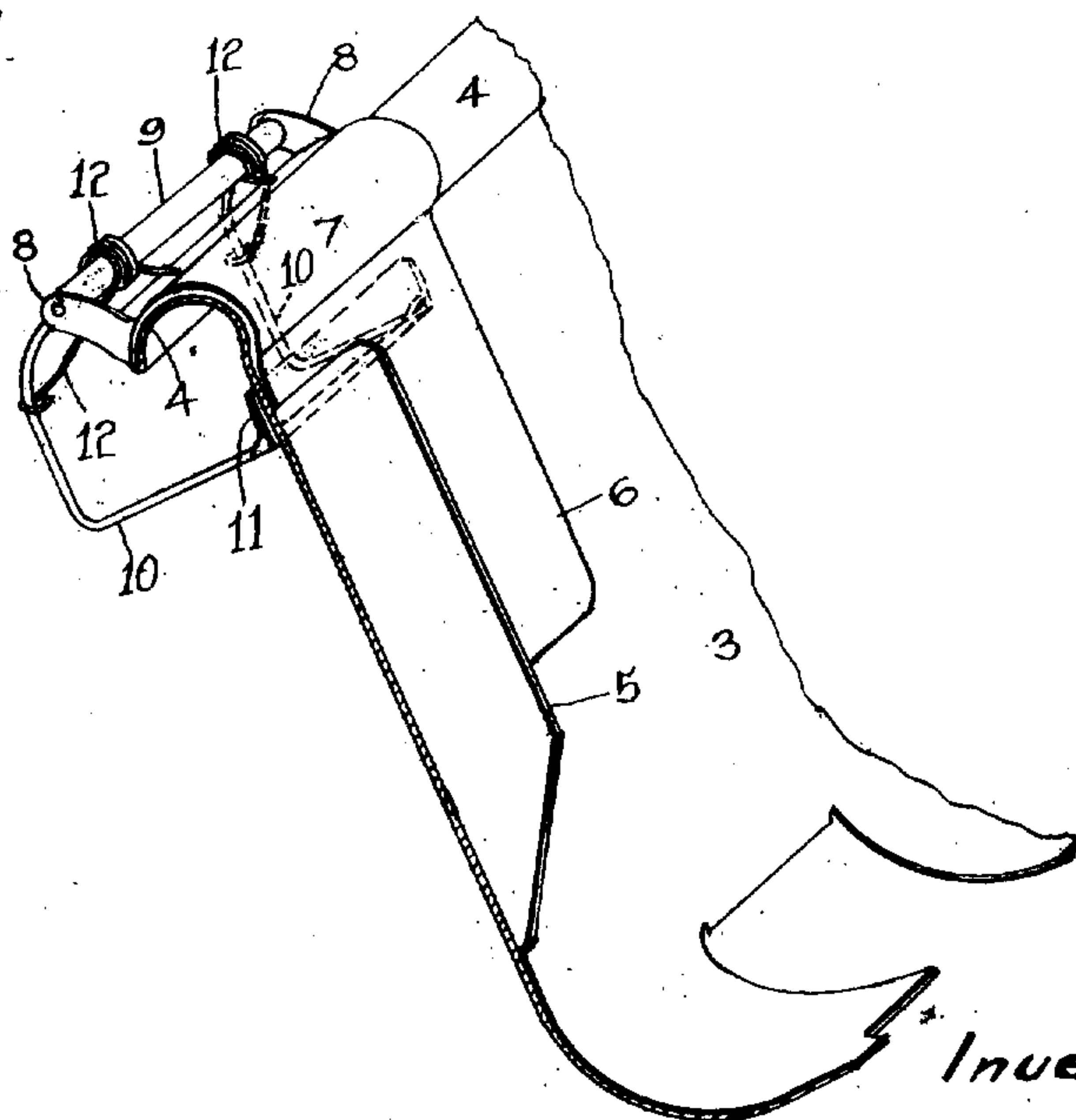


FIG. 2



Witnesses:

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By His Attorney B. B. Stickney

UNITED STATES PATENT OFFICE.

GUSTAF SWENSON, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO UNDERWOOD TYPE-WRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

TYPE-WRITING MACHINE.

973,721.

Specification of Letters Patent.

Patented Oct. 25, 1910.

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To all whom it may concern:

Be it known that I, GUSTAF SWENSON, a citizen of the United States, residing in Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Type-Writing Machines, of which the following is a specification.

This invention relates to devices usually provided at the side of a typewriting machine for engaging the side edges of the sheets as they are placed into position for writing.

Heretofore the side gage has been in the form of a ledge turned up from the plate, the latter provided with a claw or hook to fit tightly upon the rolled upper edge of the paper shelf, such as in the well known Underwood typewriting machine. It has been found that these hooks or claws must be so tight, in order to hold the gage properly upon the letter-feeding carriage, that it is difficult to adjust them along the paper shelf, owing to their strong binding action, and moreover the shelf becomes scratched and marred.

The object of my invention is to provide for convenient and easy attachment and detachment of the gage from the paper shelf and easy adjustment therealong, without liability of marring the shelf, while the gage is held securely in position.

In the drawings forming a part of this application, Figure 1 is a sectional side elevation of the platen frame of an Underwood typewriting machine, with my improvements applied thereto, and Fig. 2 is a perspective view of the front of the same, partly in section.

The usual platen 1, is revolvably mounted in a platen frame 2, which includes an inclined paper shelf 3 in rear of the platen and provided at its upper edge with a rolled rim 4.

The side gage device comprises a gage plate 5, bent up from a plate 6, which lies down upon the front face of the paper shelf 3, and at its upper end it has a hook or claw 7, curving closely over the rim 4, but not biting thereon. From the rear side of the claw 7 project ears 8, in which is mounted a pintle or shaft 9, projecting downwardly

and forwardly from which are arms 10, preferably of elbow form and carrying at their forward ends a plate 11, bearing face-wise upon the back of the paper shelf 3 and cooperating with the plate 6 to form a clip.

One or more springs 12 are carried by the shaft 9 and have one end pressing upon the claw 7, while the other presses on some portion of the arm or arms 10, to provide moderate pressure of the plate 11 on one side of the shelf and the plate 6 on the other side thereof, to hold the gage from jarring out of position during the intermittent movement of the carriage. This clamping action also keeps the plate 6 close against the shelf, to prevent the sheets of paper from getting between them; the claw 7 having a pivotal action on the tubular rim 4, to permit the spring to do this.

By extending out the contact of the clamping member, as by the bar or plate 11, the clamping member will tend to keep the plate 6 against the shelf throughout its width, and the plate 5 at right angles to the surface of the platen.

It is obvious that the gage may be shifted readily along the shelf to any position without scratching the surface of the shelf, and that the gage firmly retains its position.

Having thus described my invention, I claim:

1. A device of the character described, comprising a member adapted to be secured to the paper shelf of a typewriter and to serve as a gage for the paper, said gage member having a curved claw to catch over and support said member pivotally upon the curved edge of said shelf, and a spring-pressed clip on said claw and extending forwardly to press against the back of the paper shelf, to bind said member thereto.

2. A device of the character described, comprising a member adapted to be secured to the paper shelf of a typewriter to serve as a paper gage, said member having a claw curved to conform to the rolled edge of the said shelf, ears on said claw, a pintle mounted thereon, a plurality of downwardly and forwardly extending arms carried by said pintle, a cross plate connecting said arms and adapted to engage against the rear of the typewriter shelf to hold the gage against

the front thereof, and springs to press said plate against the shelf.

3. A gage for the side edge of the sheet, to be attached to a paper shelf and having
5 a claw or hook to catch over the top of the paper shelf and support said gage pivotally thereon, and a spring clip pivoted to said

claw and extending forwardly to press against the back of the paper shelf, to bind said gage thereto.

GUSTAF SWENSON.

Witnesses:

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