

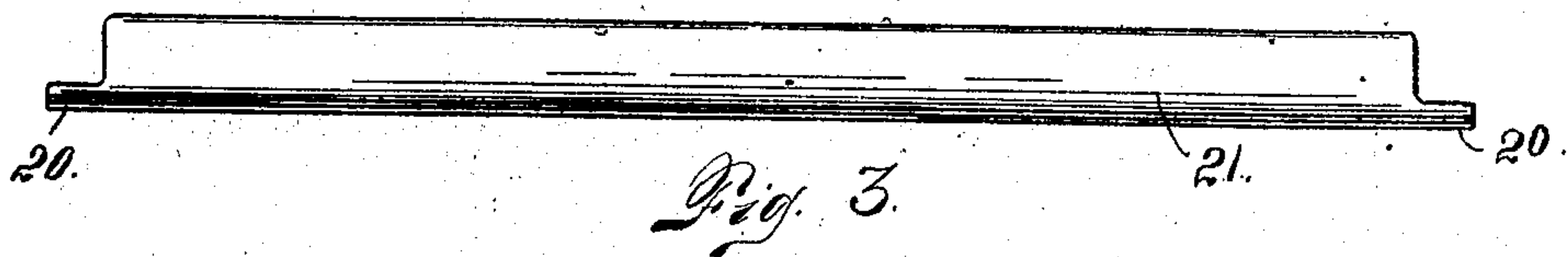
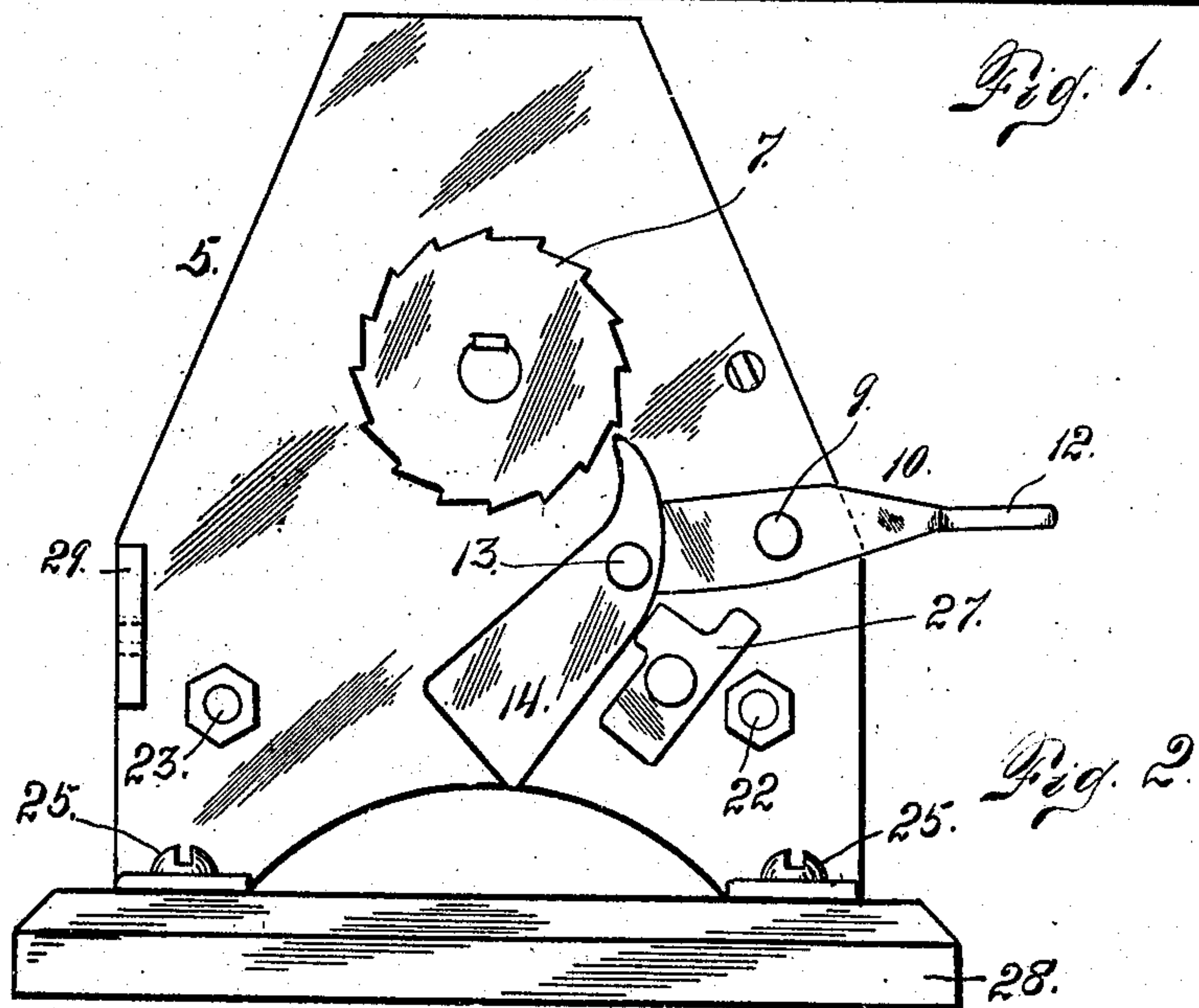
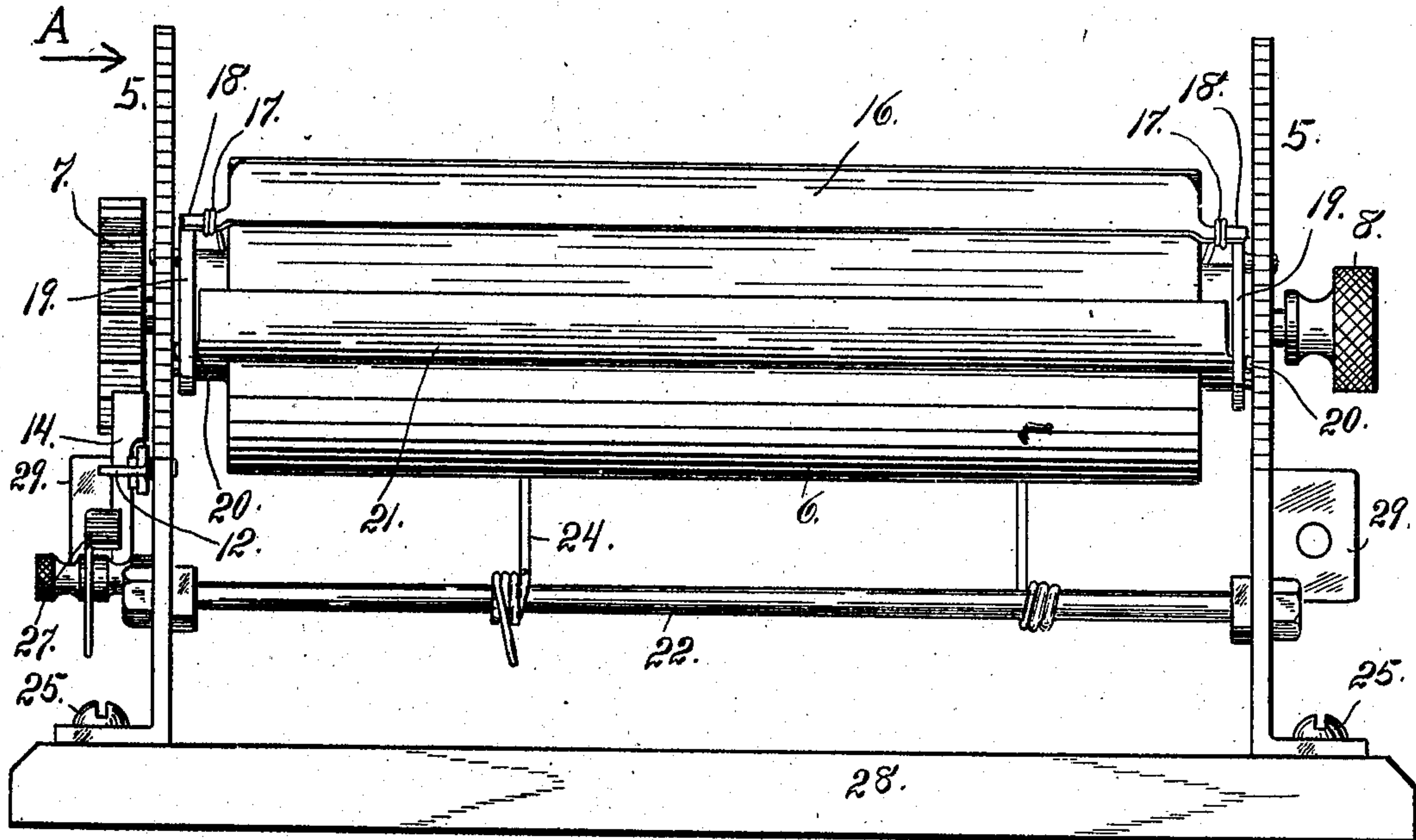
No. 885,677.

PATENTED APR. 21, 1908.

G. H. PHELPS.
MANUSCRIPT OR COPY HOLDER.

APPLICATION FILED JUNE 11, 1907.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

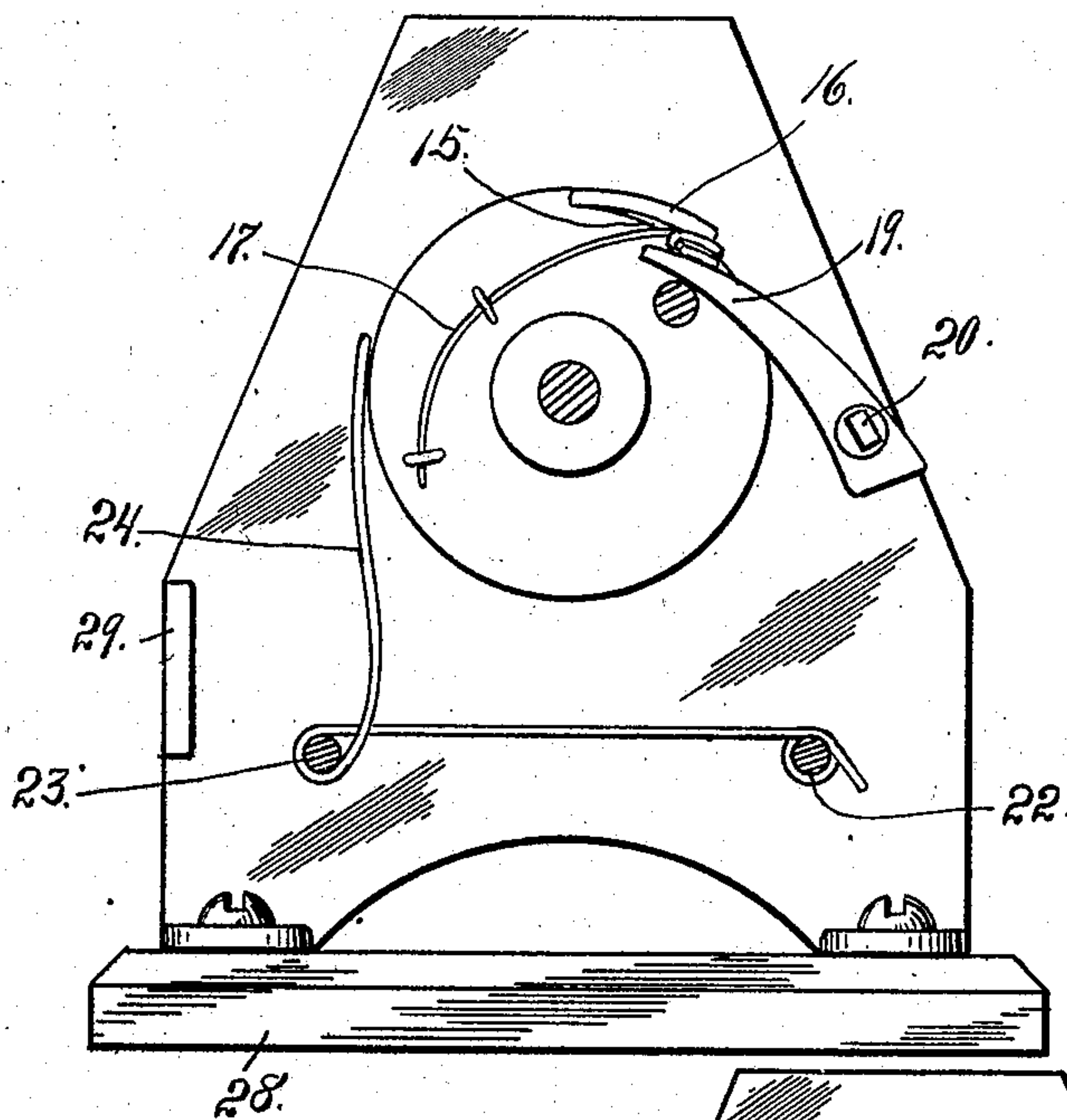


Fig. 4.

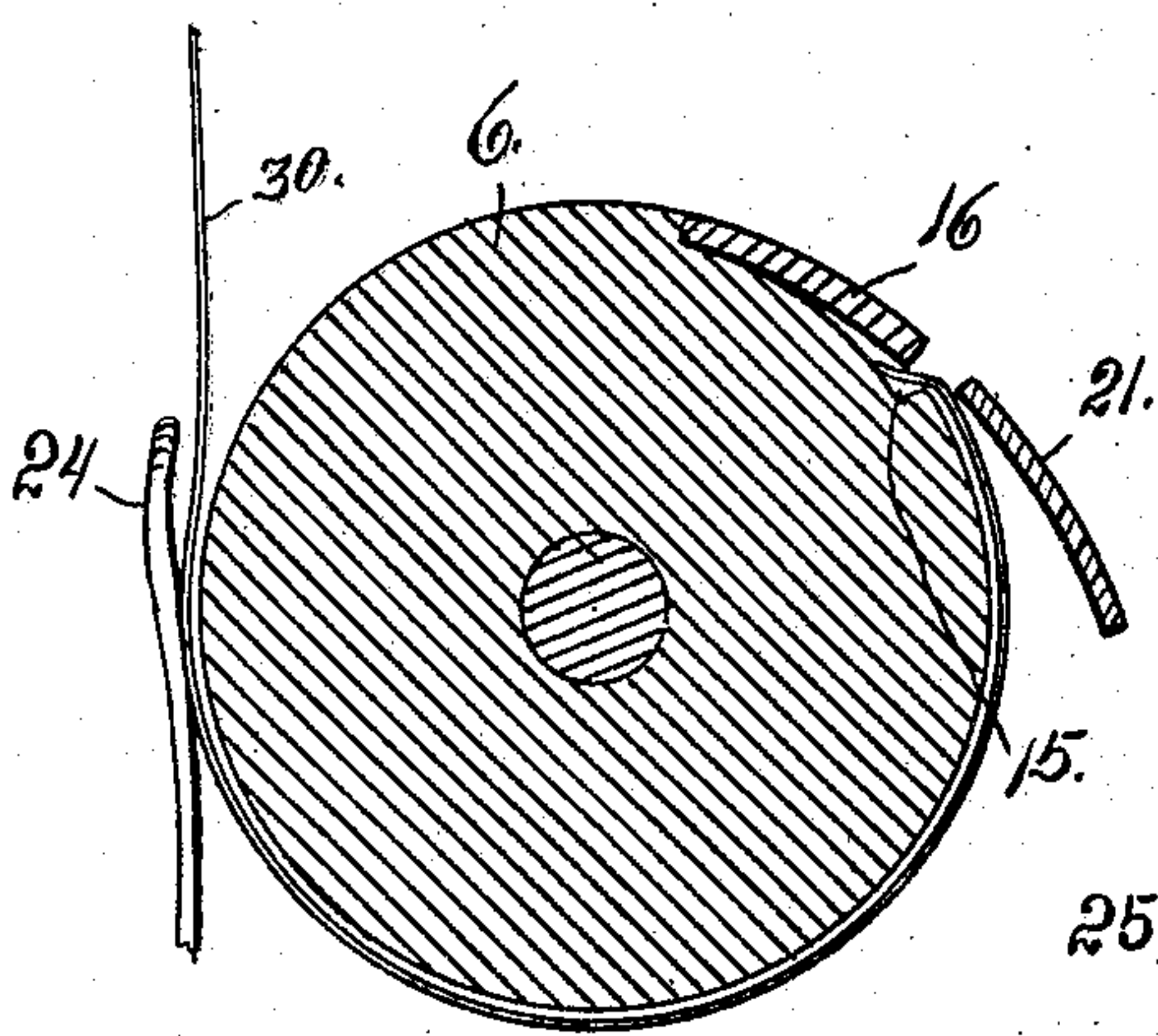


Fig. 6.

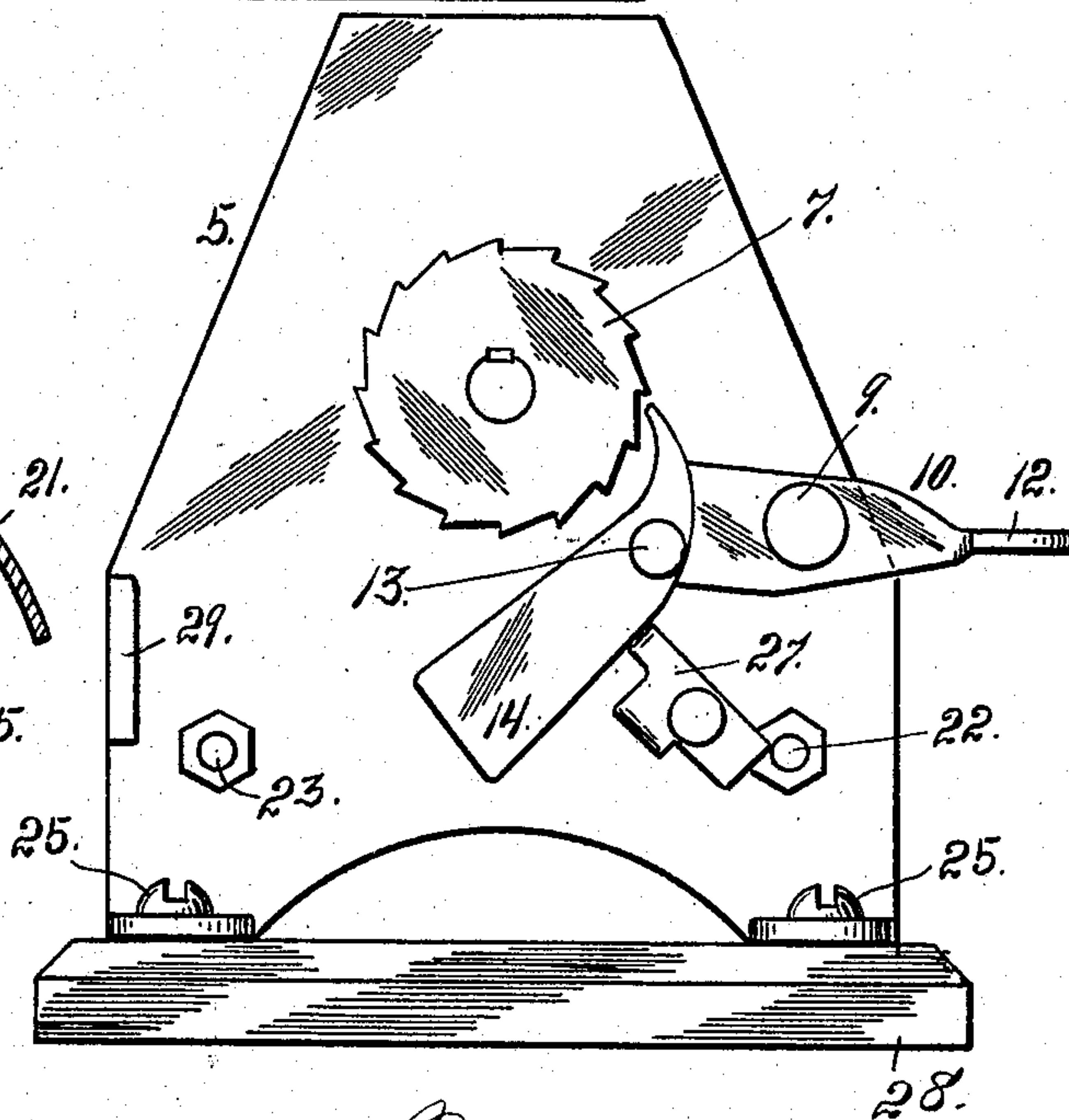


Fig. 5.

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UNITED STATES PATENT OFFICE.

GEORGE H. PHELPS, OF DOWNER, COLORADO.

MANUSCRIPT OR COPY HOLDER.

No. 885,677.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed June 11, 1907. Serial No. 378,455.

To all whom it may concern:

Be it known that I, GEORGE H. PHELPS, a citizen of the United States, residing at Downer, in the county of Boulder and State of Colorado, have invented certain new and useful Improvements in Manuscript or Copy Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in manuscript holders, my object being to provide a convenient device for use by typists and others who may have occasion to copy from manuscript.

The invention will now be described in detail reference being made to the accompanying drawing, in which is illustrated an embodiment thereof.

In this drawing, Figure 1 is a front view of my improved device. Fig. 2 is an end elevation of the same looking in the direction of arrow A in Fig. 1. Fig. 3 is a top view in detail of the holder proper. Fig. 4 is an end view with one of the end plates and its attachments removed. Fig. 5 is a view similar to Fig. 2 but showing the parts in different relative position. Fig. 6 is a section taken through the roller and its attachments.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate each of two end standards or brackets in which is journaled a cylindrical roller 6. To one extremity of the roller journal is attached a ratchet wheel 7, while to the opposite journal is attached a milled knob 8. The ratchet wheel and knob are both located outside of the end plates forming the support for the roller.

Fulcrumed at 9 on one of the end plates, is a lever 10 whose outer arm is preferably flattened at its extremity as shown at 12. To the inner arm of this lever is pivotally connected as shown at 13, a gravity pawl 14 whose upper extremity is adapted to engage the teeth of the wheel 7 for the purpose of actuating the roller, as the lever 10 is actuated. Pivotally mounted on the same end plate adjacent the lever and pawl, is a stop 27

which is adjustable to regulate the position of the actuating pawl with reference to the ratchet wheel. When this device 27 is adjusted as shown in Fig. 2, the pawl is allowed to drop downwardly to its limit of movement. Hence when the lever is actuated, the pawl when in this position is adapted to impart a considerable range of movement to the roller, whereby the latter is caused to travel a distance equal to the length of a number of teeth; while when the adjusting device is in the position shown in Fig. 5, the pawl is normally held closer to the roller and when the lever is actuated, the roller is moved only the distance of one tooth.

The periphery of the roller is longitudinally grooved as shown at 15, to receive a clamping plate 16, the extremities of the said plate being engaged by a spring 17, adapted to normally hold the plate in the clamping position or in position to clamp the manuscript. This clamping plate 16, is provided at its extremities with reduced extensions 18, adapted when the travel of the plate is reversed or rotated contrary to its movement, while copying, to pass above or ride over cams 19 pivotally mounted on the reduced extremities 20 of a marker plate 21, the extremities 20 of said plate being journaled in the end standards or brackets.

The two standards 5 are connected by tie rods 22 and 23. Upon these rods is mounted a spring 24 adapted to project upwardly to engagement with the roller in the rear, whereby the said spring supports and guides the paper when the device is in operation.

As shown in the drawing the brackets are secured to a stationary support by means of screws 25. The device may of course be supported in any other suitable manner.

It is evident, instead of operating the device by pressing upon the outer extremity of the finger lever 10, that it may be otherwise operated as for instance by the foot, by suitable connections for the purpose. As such connections are exceedingly common it has not been thought necessary to illustrate them in the drawing.

When the device is in use one end of the manuscript 30 is inserted beneath the clamping plate 15 when the extremities of the latter are in engagement with the cams 19 as shown in Fig. 4. Then as the roller is turned

in the direction indicated by the arrow in the last named figure, the clamping plate will be disengaged from the cams 19, and the springs 17 will act on the plate to hold the manuscript securely in place. The operator will then actuate the lever 10 whereby the loose pawl 14, will be caused to act upon the ratchet wheel 7, imparting a step by step movement to the roller. If it is desired to give a considerable action to the roller every time the lever is operated, the adjusting device 14 will be placed in the position shown in Fig. 2, while if it is desired to move the roller only the distance of a single ratchet tooth at every operation, the adjusting device will be thrown to the position shown in Fig. 5. As soon as the sheet of manuscript has been completely copied, and its lower extremity is raised above the marker, the same will fly upwardly. The operator then grasps this lower extremity of the sheet and pulls it towards him, causing the roller to rotate in the reverse direction to unwind the sheet, and as the sheet escapes from the clamping plate, the latter will be drawn to the position shown in Fig. 4, that is to say with its extensions overriding the cams 19, thus raising the forward edge of the clamping plate sufficiently for the insertion of another sheet of manuscript after which the operation may be continued as before.

In the drawing the end brackets are shown secured to a base board 28. The device, may, however, be secured if desired to a vertical wall or part, and to this end the end brackets or standards 5 are provided with exteriorly protruding lugs 29, adapted to receive suitable fastening devices (not shown).

Having thus described my invention, what I claim is:

1. In a manuscript holder, the combination with a suitable frame, of a roller journaled therein and provided with a longitudinal groove formed in its outer surface, a spring-actuated clamping plate engaging said groove and normally held flush with the face of the roller, the said plate having end extensions, and cam members carried by the frame and lying in the path of said extensions when the roller is reversed causing the extensions to override the cams and lift the clamping edge of the plate out of the groove, the said cams being loosely mounted to allow the extensions to pass thereunder when the roller is turning in its normal direction.

2. In a manuscript holder, the combination with a frame work, a roller journaled therein, a spring-actuated clamping device mounted on the face of the roller and provided with end extensions, cam members mounted on the frame and lying in the path of the rollers, the said cam members being loosely mounted to allow the extensions to

pass thereunder when the roller is moving in one direction, while the end extensions are caused to override the cams when the roller is moved in the opposite direction, whereby the clamping plate is raised from the roller to permit the insertion of the manuscript, substantially as described.

3. In a manuscript holder, the combination with a frame, of a roller journaled therein and provided with a spring-actuated clamping plate, the said plate having end extensions, a marker also mounted on the frame adjacent the clamping plate, and cam members loosely mounted on the marker and lying in the path of the end extensions and clamping plate, whereby when the roller is turned in one direction, the said extensions pass under the cam members, while when the rollers are turned in the opposite direction the said extensions are caused to override the cam members for the purpose set forth.

4. In a manuscript holder, the combination with a frame, of a roller journaled therein and provided with a spring-actuated plate, means mounted on the frame and adapted to engage the clamping plate, for automatically lifting the latter to the manuscript receiving position, when the roller is turned in the direction opposite its normal travel, substantially as described.

5. In a manuscript holder, the combination with a suitable frame, of a roller journaled therein, means mounted on the roller for grasping a sheet of manuscript, whereby the latter is caused to wind thereon as the roller is turned, a ratchet wheel mounted on one extremity of the roller, a cam member mounted on the frame and lying in the path of the roller for the purpose described an actuating lever journaled on the frame, and a pawl loosely pivoted on the lever and acting to engage the ratchet to rotate the roller as the lever is operated, substantially as described.

6. In a manuscript holder, the combination with a suitable frame, of a roller journaled therein and provided with means for grasping a sheet of manuscript to allow the same to wind on the roller as the latter is actuated, the roller being provided at one extremity with a ratchet wheel, a cam loosely mounted on the frame and lying in the path of the roller for the purpose described a lever journaled on the frame, a pawl loosely mounted on the lever and adapted to engage the ratchet as the lever is actuated, and a stop for limiting the downward movement of the pawl and lever, substantially as described.

7. In a manuscript holder, the combination with a suitable frame, a roller journaled therein, means mounted on the roller for grasping a sheet of manuscript, a spring mounted on the frame and engaging the

roller in the rear for guiding and supporting
the manuscript, an actuating lever, a cam
mounted on the frame and lying in the path
of the roller for the purpose described and a
5 ratchet and pawl connection between the
lever and the roller for operating the latter,
substantially as described.

In testimony whereof I affix my signature
in presence of two witnesses.

GEORGE H. PHELPS.

Witnesses:

DENA NELSON,
MAY GAWLEY.