

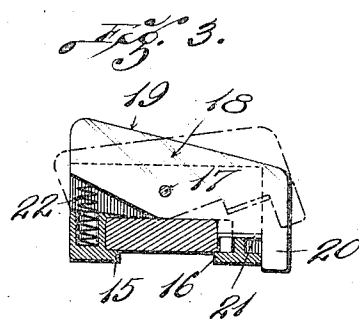
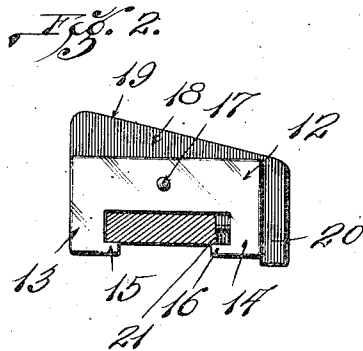
1,024,295.

Fig. 1.

The drawing illustrates a mechanical assembly, possibly a typewriter or printer mechanism. Key components are labeled with numbers:

- 1**: A large, rectangular component, likely a frame or base.
- 2**: A horizontal bar or rod.
- 3**: A vertical component, possibly a support or frame.
- 4**: A series of vertical bars or fingers, likely part of a carriage or type mechanism.
- 5**: A horizontal bar or rod, similar to 2.
- 6**: A vertical component, possibly a support or frame.
- 7**: A horizontal bar or rod.
- 8**: A vertical component, possibly a support or frame.
- 9**: A horizontal bar or rod.
- 10**: A vertical component, possibly a support or frame.
- 11**: A horizontal bar or rod.
- 12**: A vertical component, possibly a support or frame.
- 13**: A horizontal bar or rod.
- 14**: A vertical component, possibly a support or frame.
- 15**: A horizontal bar or rod.
- 16**: A vertical component, possibly a support or frame.
- 17**: A horizontal bar or rod.
- 18**: A vertical component, possibly a support or frame.

The drawing includes a side view of the mechanism and a cross-sectional view at the bottom, showing the internal structure and components.



WITNESSES.
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TRIPPING-BLOCK FOR TYPE-WRITING MACHINES.

1,024,295.

Specification of Letters Patent.

Patented Apr. 23, 1912.

Application filed September 23, 1910. Serial No. 583,431.

To all whom it may concern:

Be it known that I, OTTO THIEME, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Tripping-Blocks for Type-Writing Machines, of which the following is a full, clear, and exact description, 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, forming part of this specification, in which—

Figure 1 is a general view illustrating the use of my device in connection with an adding machine. Figs. 2 and 3 are detail views of my improved tripping block.

The invention relates to a tripping block, which may be applied to the ordinary rack at the rear of a typewriting machine, and which device may be used in connection with any other device or mechanism to be operated from the carriage of the typewriting machine.

I have illustrated my device in connection with a combined typewriter and adding machine, but it is perfectly obvious that it may be used in connection with any other machine adapted to cooperate with the typewriting mechanism.

Referring to the drawings, 1 indicates generally the carriage of the typewriting machine having a rack 2 attached to the rear thereof.

3 indicates generally the mechanism of an adding machine, the details of which are not necessary to an understanding of my present improvement. I shall, therefore, only refer generally to a few of the elements illustrated, which are placed in actuation by means of my improved tripping device.

4 designates a set of accumulators mounted on a laterally movable bar 5 having projections 6 at intervals outside thereof.

7 is a bar having a member with a catch to engage the projection 6 on the rod 5. This member 7 is bent at right angles to form a pivotal support 8 for a pivoted pawl 9 bearing normally against pin 10 on the member 7. A spring 11 tends to hold the pawl 9 in engagement with the pin 10.

It is desired at certain points in the travel of the carriage of the typewriter to move the bar 7 laterally away from the projection 6, allowing the bar 5 to move longitudi-

nally with the accumulators thereon. For the accomplishment of this function I have provided a simple tripping block adapted to be clamped in any desired position along the rack 2. This block is comprised of a body portion 12 having extensions or wings 13 and 14 with flanges 15 and 16 to surround the body of the rack bar 2.

Pivoted at 17 to the body portion 12 is a latch 18 shaped as shown in Figs. 2 and 3, with an inclined face 19, and a projecting portion 20 having a catch portion 21 adapted to engage between the teeth on the rack bar 2.

A compression spring 22 is mounted in an opening in the wing portion 13 and engages the bottom of the latch 18 to hold the block with the catch portion 21 in engagement with the teeth of the rack. When it is desired to shift the position of the tripping block it is only necessary to press on the inclined portion 19 which tilts the latch to the position shown in dotted lines in Fig. 3, when the catch portion 21 is removed from the teeth of the block and the tripping block may be shifted laterally on the rack bar 2 to a new position.

It is, of course, clear that as the carriage moves laterally the latch on the tripping block 18 will become engaged with the inclined surface on the pawl 9 to shift the member 7 laterally, allowing of the longitudinal movement of the bar 5, as already referred to.

I am aware that minor changes may be made in the construction, arrangement and combination of the elements of my device without departing from the spirit of my invention, the scope of which is indicated in the accompanying claims.

I claim:

1. In a device of the class described, the combination of a rack bar provided with teeth upon its edge, a slidable block mounted upon said rack bar, a slot in the upper portion of said block, said slot extending through a part of one side of said block, a latch member pivotally mounted in said slot, said latch member being provided with a latching portion adapted to contact with the teeth of said rack and to lie within the part of said slot extending through the side as specified, and an engaging portion upon said latch member.

2. A device of the class described comprising a rack bar provided with teeth, a block mounted to slide upon said rack bar, said block being provided with a slot in its
5 upper face, a latch member pivotally mounted within said slot and provided with a latching portion adapted to cooperate with said teeth, a movable member and an engaging portion arranged upon said latch member
10 in such manner as to contact with the

movable member to force said latch member against said rack bar.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 12th day of September, 1910.

OTTO THIEME.

Witnesses:

J. W. CLIFT,
M. P. SMITH.

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