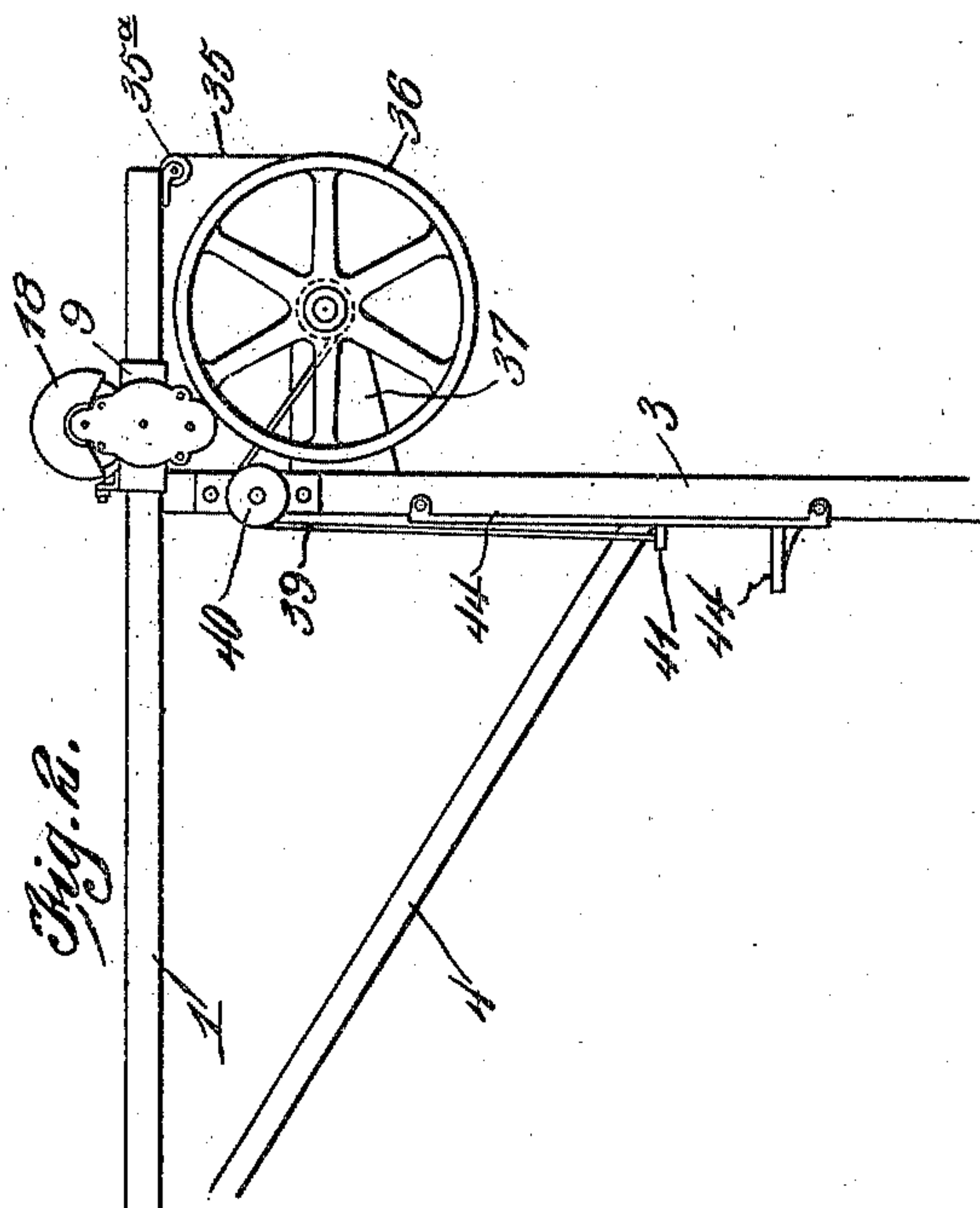
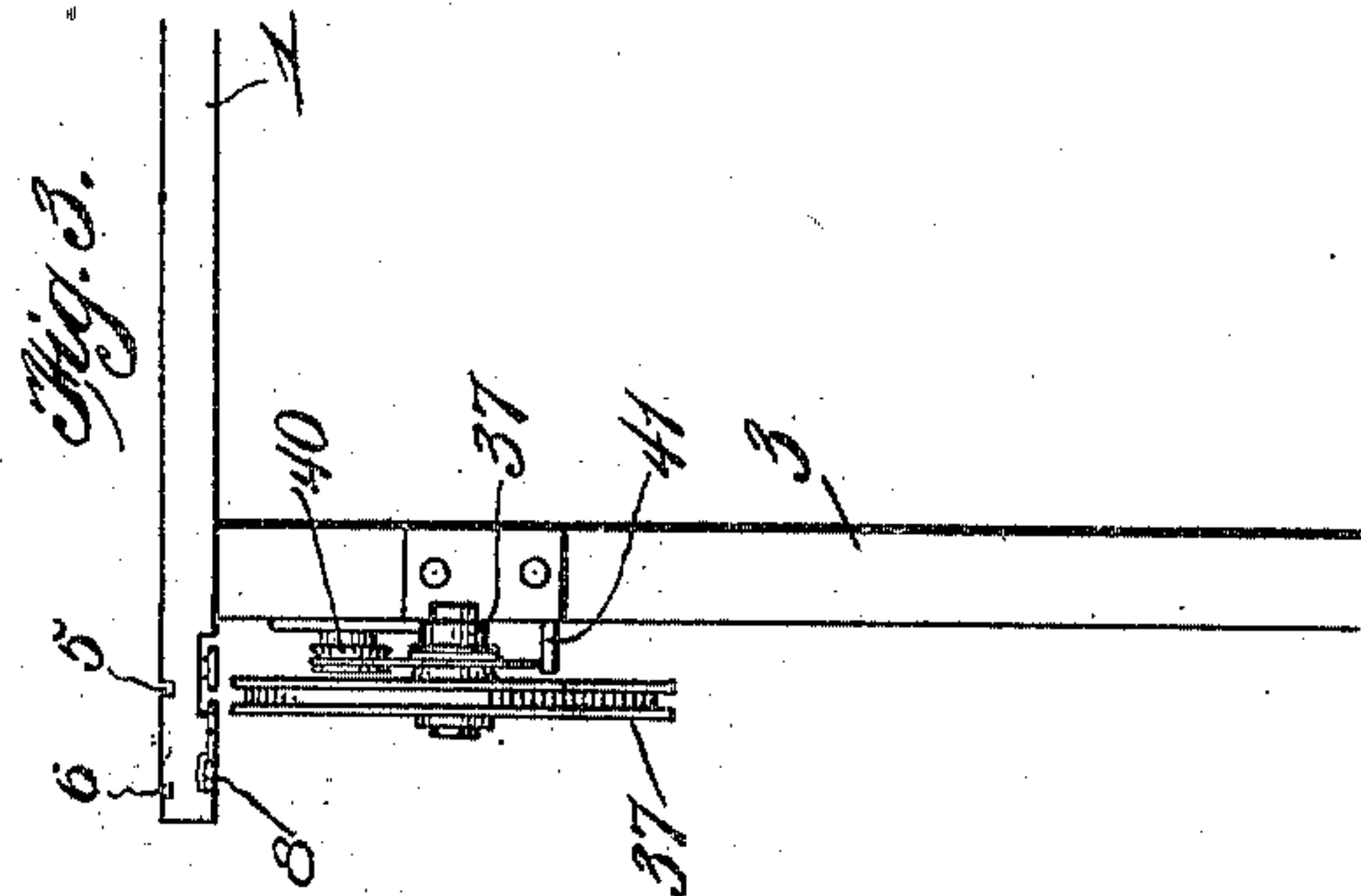
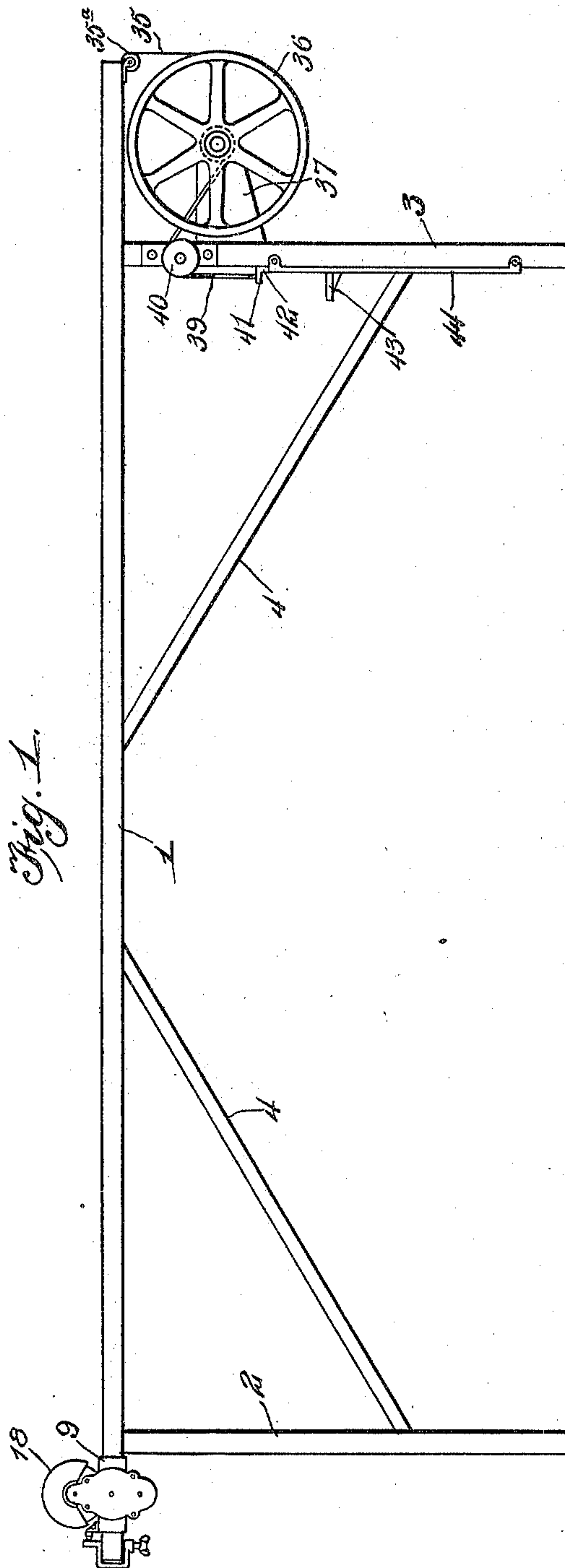


H. L. SELLENEIT.
WALL PAPER TRIMMING MACHINE.
APPLICATION FILED JUNE 23, 1909.

950,962.

Patented Mar. 1, 1910.

2 SHEETS—SHEET 1.



Witnesses

Louis R. Heinrichs
C. H. Bunge

Henry I. Selleneit

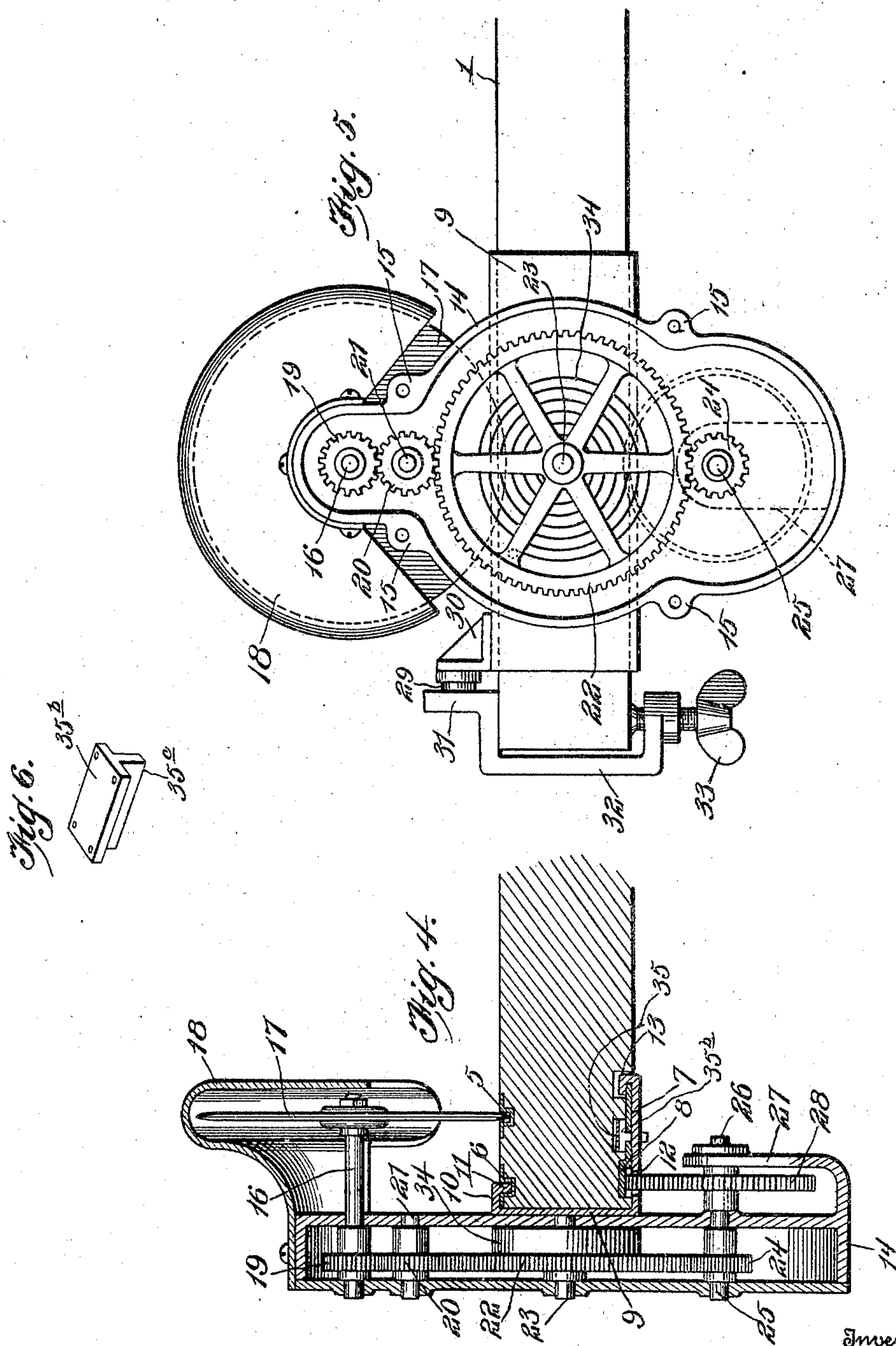
By Victor J. Evans
Attorney

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Inventor
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UNITED STATES PATENT OFFICE.

HENRY L. SELLENEIT, OF CROOKSTON, MINNESOTA.

WALL-PAPER-TRIMMING MACHINE.

950,962.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed June 23, 1909. Serial No. 503,893.

To all whom it may concern:

Be it known that I, HENRY L. SELLENEIT, a citizen of the United States, residing at Crookston, in the county of Polk and State of Minnesota, have invented new and useful Improvements in Wall-Paper-Trimming Machines, of which the following is a specification.

This invention relates to wall paper trimming machines, and one of the principal objects of the same is to provide simple, reliable and efficient means for trimming the selvage of wall paper to be connected to the pasting board used by paper hangers, said trimming means being adapted to move from end to end of the board after the wall paper has been pasted and placed in position thereon.

Another object of the invention is to provide a moving trimmer upon a pasting board and to provide means at one end of the board for moving the trimmer from end to end of the board, said means being operated preferably by a foot treadle.

Still another object of the invention is to provide a sliding trimmer to be operated at one end of the board by a foot pedal, a spring being mounted upon one of the shafts of the trimmer for returning the same to its initial position after each operation thereof.

Another object of the invention is to provide a trimming mechanism mounted to move longitudinally over a pasting board in which the rotary knife of the trimmer is covered by a hood and in which the mechanism for moving the rotary trimmer is geared up to rotate the outer edge of knife slightly more rapidly than its sliding movement in order to insure a clean-cut even when the knife is not very sharp, and also prevent moving of the paper.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which,—

Figure 1 is a side elevation of a wall paper trimmer made in accordance with my invention. Fig. 2 is a detail view, showing in elevation the trimmer in position after it has removed the selvage from a length of paper and before it has been returned to its initial position by a spring encircling one of the shafts. Fig. 3 is an end view of one side of the pasting board with the trimmer removed. Fig. 4 is an enlarged vertical section of the casing for

containing the operating mechanism of the trimmer, said mechanism being shown in elevation. Fig. 5 is an enlarged side elevation of the same. Fig. 6 is a detail perspective view of the T-shaped guide for the steel tape.

Referring to the drawings, the numeral 1 designates the pasting board for supporting the wall paper, said board being mounted on legs 2 and 3. The board 1 is braced from said legs by inclined brace bars 4. It is to be noted that the pasting board 1 extends out at one side beyond the legs 2 and 3, as shown more particularly in Fig. 3. In the top of the board 1 are formed parallel recesses extending from end to end of said board, and fitted in said recesses are grooved guides 5, 6, said guides being practically flush with the surface of the board. Underneath the board is a guide bar 7, said guide bar being secured in a longitudinal recess in the board 1 and extending from end to end of said board. Formed with or secured to the guide bar 7 is a rack bar 8 which also extends from end to end of the board in said longitudinal recess and is provided with cog teeth on the underside thereof.

The base plate to which the trimmer is connected comprises the face portion 9 having an inwardly extending flange 10 provided with a downwardly extending portion 11 adapted to slide in the guideways 6 at the top of the board. Underneath the board the base plate is provided with a slot 12, and at the inner end of said plate guide members 13 are provided which engage the guide bar 7, as shown more particularly in Fig. 4.

The casing 14 for containing the operating mechanism for the trimmer is connected to the base plate 9, said casing comprising inner and outer members spaced apart and provided with bolt lugs 15, by means of which the two members can be secured together. Journaled near the upper end of the casing is a shaft 16 having secured to its outer end a disk cutter 17, the beveled edge of which is disposed within the guideway 5. A hood or cover 18 incloses the upper portion of the cutter, said hood being secured to the top of the casing 1. Carried by the shaft 16 is a pinion 19 which meshes with a similar pinion 20 mounted on a stub shaft 21 journaled in the casing 14. A large gear wheel 22 is mounted on a stub shaft 23

journaled in the casing, and said gear wheel meshes with the pinion 20 at the upper side and with a similar pinion 24 mounted on a shaft 25 journaled in the casing and provided with an extension 26 journaled in a bracket 27 extending upward from the back portion of the casing. Mounted on the extended portion 26 of the shaft 25 is a large gear wheel 28 which engages the cogs of the rack bar 8. The base plate 9 carries a buffer 29 mounted on a bracket 30, and a stop 31 is connected to the pasting board 1 by means of a suitable clamp 32 and a binding screw 33, said buffer adapted to come into contact with the stop 31 when the trimmer is returned to its initial position. A spring 34 is connected at one end to one of the spokes of the gear wheel 22, while the other end of said spring is connected to the casing 14, said spring encircling the shaft 23 at the inner side of the gear wheel 22. Connected to the underside of the base plate 9 is a detachable steel tape or belt 35, the opposite end of said tape after passing over an idler 35^a being connected to a large wheel 36 having a grooved periphery 37, said wheel being journaled upon a bracket 38 secured to the leg 3. The hub of the wheel 36 has connected to it a small grooved wheel and connected to said wheel is a cord or wire band 39 which passes over an idler 40 mounted at the side of the leg 3. The end of the cord 39 is connected to a lug 41 mounted on a sliding plate 42 having a foot pedal 43 formed thereon. The plate 42 is mounted in guides 44 secured to the leg 3. Secured underneath the tape 35 at the trimmer end is a T-shaped guide 35^b, the vertical rib 35^c of which travels in a slot in the guide bar 7 and in a slot in the base plate 9.

The operation of my invention may be briefly described as follows:—In the initial position of the trimmer the spring 34 is but slightly wound up, and when the paper is arranged upon the board with its selvage in line with the guide 5 the knife 17 is engaged with that end of the paper. The operator then goes to the opposite end of the table, and places his foot upon the pedal 43, and by moving said pedal downward the wheel 36 is rotated to wind up the tape 35 thereon and to move the trimmer to that end of the table, the spring 34 being wound up as the trimmer travels in the guide 5 and severs the selvage from the length of paper. When the foot is removed from the pedal 43 the spring 34 returns the trimmer to its initial position, and the buffer 29 prevents injury to the mechanism.

From the foregoing it will be obvious that a wall paper trimmer made in accordance with my invention can be quickly operated, is not liable to get out of order, is reliable and efficient in use, and is not expensive to manufacture.

I claim:—

1. A wall paper trimming machine comprising a supporting board, a selvage trimmer mounted to move longitudinally over said board, manually operated means for moving said trimmer over the board, and a spring for returning said trimmer to its initial position.

2. A wall paper trimmer comprising a table, a grooved guide mounted in said table, a rotary trimmer mounted in said guide, mechanism for rotating said trimmer, a casing in which said mechanism is mounted, a belt or cord connected to said casing, a grooved wheel around which said belt is passed a foot pedal, and connections between said pedal and wheel for rotating the latter and moving the trimmer from end to end of the table.

3. A wall paper trimming machine comprising a board or table, a rotary trimmer mounted to slide on the table, a belt connected to the trimmer, foot-operated mechanism for moving said trimmer from end to end of the table, and a spring for returning said trimmer to its initial position.

4. In a wall paper trimming machine, the combination of a board or table, a rotary trimmer mounted to move from end to end of said table, manually operated means for moving said trimmer from end to end of said table, a spring for returning said trimmer to its initial position and means for rotating said trimmer at a speed greater than its movement across the board or table.

5. In a machine of the character described, the combination of a board for supporting wall paper, a rotary trimmer mounted to move from end to end of said board, a casing, mechanism for rotating said trimmer in said casing, a band connected to said trimmer, a wheel to which said band is connected, a cord connected to said wheel, an idler over which said cord extends, a foot pedal, a guide therefor, and means for returning the trimmer to its initial position after each operation.

6. In a machine of the character described, a pasting board or table for supporting wall paper, guiding means carried by said table, a wall paper trimmer mounted to move in said guides, mechanism for rotating said cutter, a spring for returning said cutter to its initial position after each operation, a band connected to said trimmer, a foot lever, and means between said foot lever and said trimmer, whereby the movement of said foot lever carries the trimmer from one end of said board to the other.

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

HENRY L. SELLENEIT.

Witnesses:

ONESIME MERCIL, Jr.,
 A. M. CHILDS.