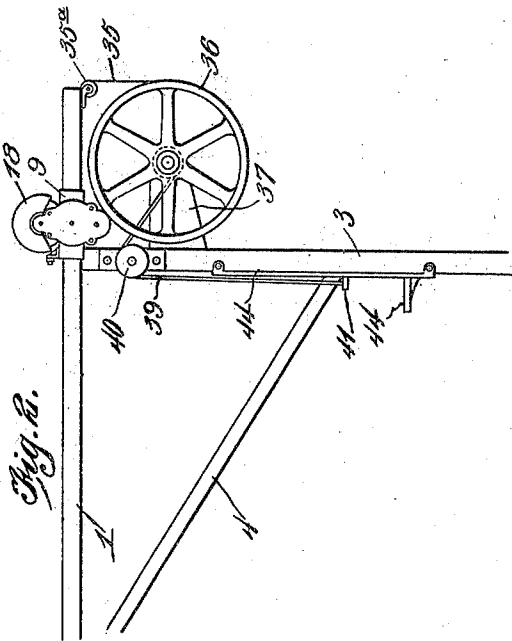
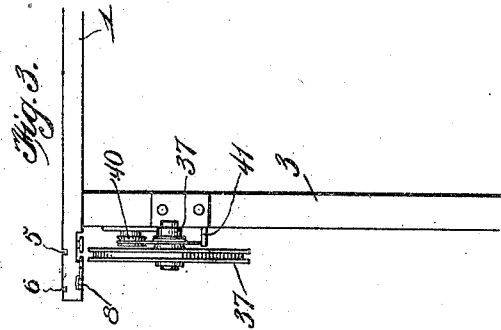
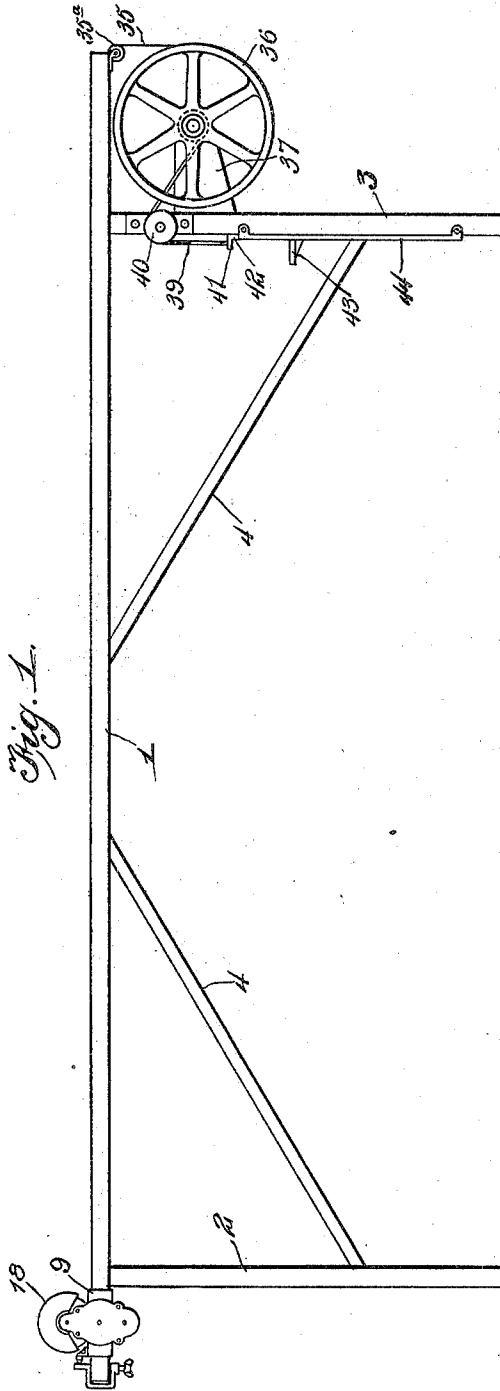


H. L. SELLENEIT.
WALL PAPER TRIMMING MACHINE.
APPLICATION FILED JUNE 23, 1909.

950,962.

Patented Mar. 1, 1910.
2 SHEETS—SHEET 1.



Witnesses

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E. R. Ruyter

Henry I. Sellenett ^{Inventor}

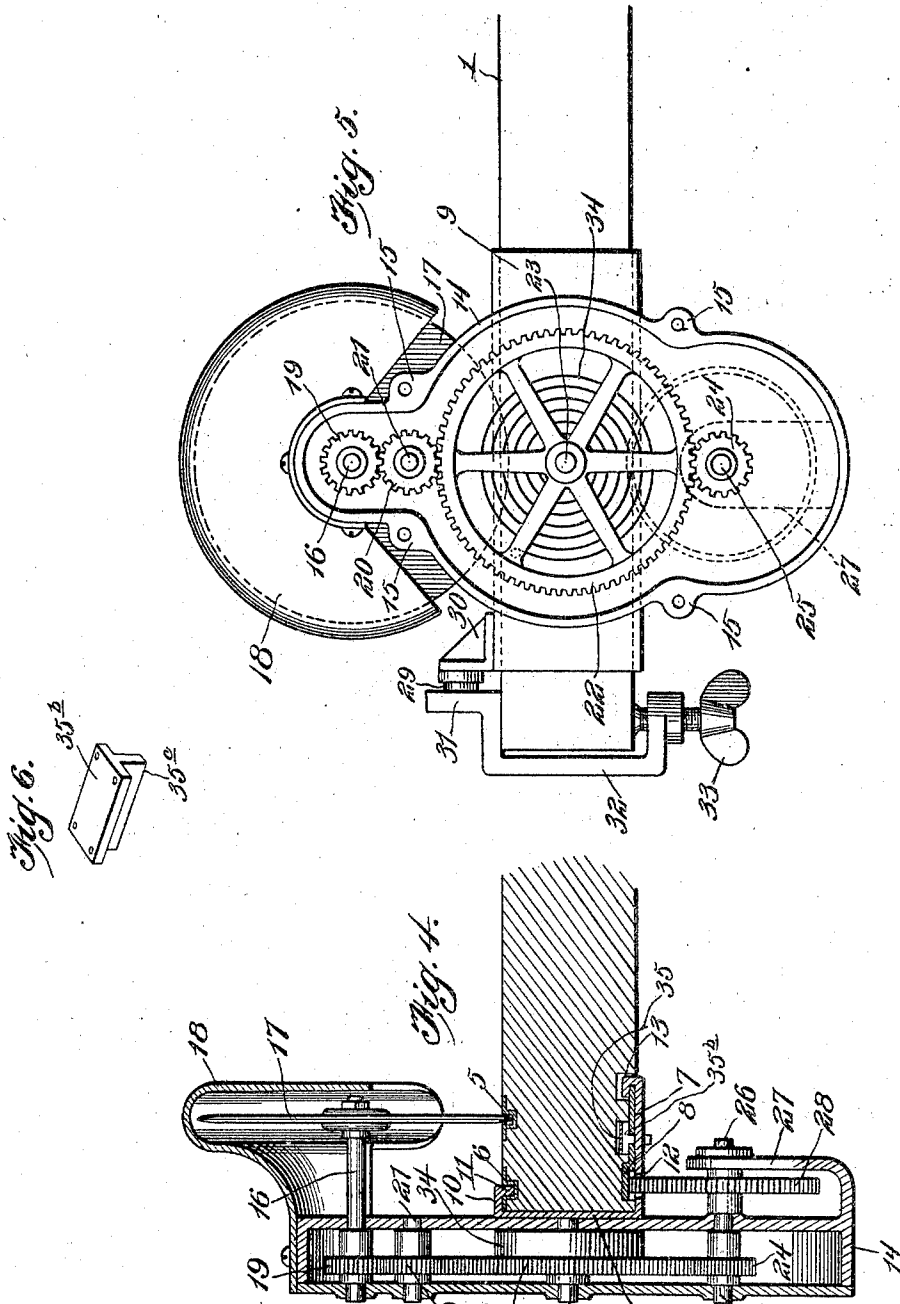
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UNITED STATES PATENT OFFICE.

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. 503,833.

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 pro-
 5 vided with an extension 26 journaled in a
 bracket 27 extending upward from the back
 portion of the casing. Mounted on the ex-
 tended portion 26 of the shaft 25 is a large
 gear wheel 28 which engages the cogs of
 10 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 bind-
 ing screw 33, said buffer adapted to come
 15 into contact with the stop 31 when the trim-
 mer 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
 20 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
 25 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
 30 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
 35 pedal 43 formed thereon. The plate 42 is
 mounted in guides 44 secured to the leg 3.
 Secured underneath the tape 35 at the trim-
 mer end is a T-shaped guide 35^b, the vertical
 rib 35^c of which travels in a slot in the guide
 40 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
 45 arranged upon the board with its selvage in
 line with the guide 5 the knife 17 is en-
 gaged with that end of the paper. The op-
 erator then goes to the opposite end of the
 table, and places his foot upon the pedal
 50 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
 55 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.

60 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
 65 manufacture.

I claim:—

1. A wall paper trimming machine com-
 prising a supporting board, a selvage trim-
 mer mounted to move longitudinally over
 said board, manually operated means for 70
 moving said trimmer over the board, and a
 spring for returning said trimmer to its in-
 tial position.

2. A wall paper trimmer comprising a ta-
 ble, a grooved guide mounted in said table, a 75
 rotary trimmer mounted in said guide,
 mechanism for rotating said trimmer, a cas-
 ing in which said mechanism is mounted, a
 belt or cord connected to said casing, a
 grooved wheel around which said belt is 80
 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 com- 85
 prising a board or table, a rotary trimmer
 mounted to slide on the table, a belt con-
 nected to the trimmer, foot-operated mech-
 anism for moving said trimmer from end to
 end of the table, and a spring for returning 90
 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 95
 moving said trimmer from end to end of
 said table, a spring for returning said trim-
 mer to its initial position and means for ro-
 tating said trimmer at a speed greater than
 its movement across the board or table. 100

5. In a machine of the character de-
 scribed, the combination of a board for sup-
 porting wall paper, a rotary trimmer
 mounted to move from end to end of said
 board, a casing, mechanism for rotating said 105
 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 re- 110
 turning the trimmer to its initial position af-
 ter each operation.

6. In a machine of the character de-
 scribed, a pasting board or table for sup-
 porting wall paper, guiding means car- 115
 ried by said table, a wall paper trimmer
 mounted to move in said guides, mechanism
 for rotating said cutter, a spring for return-
 ing said cutter to its initial position after
 each operation, a band connected to said 120
 trimmer, a foot lever, and means between
 said foot lever and said trimmer, whereby the
 movement of said foot lever carries the trim-
 mer from one end of said board to the other.

In testimony whereof I affix my signature 125
 in presence of two witnesses.

HENRY L. SELLENEIT.

Witnesses:

ONESIME MERCIL, Jr.,

A. M. CHILDS.