J. BÁNYAI.

CUTTING MACHINE.

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1,094,964.

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Fig. 1.

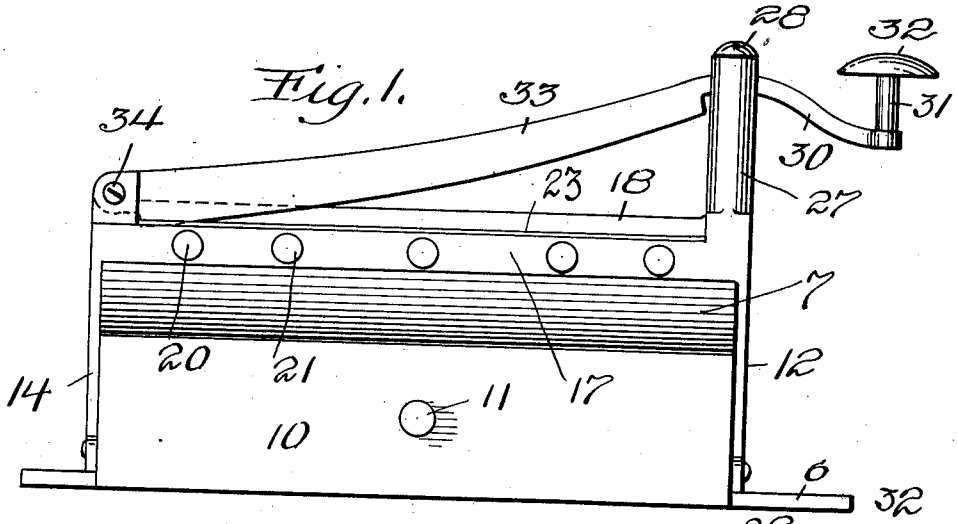


Fig. 2.

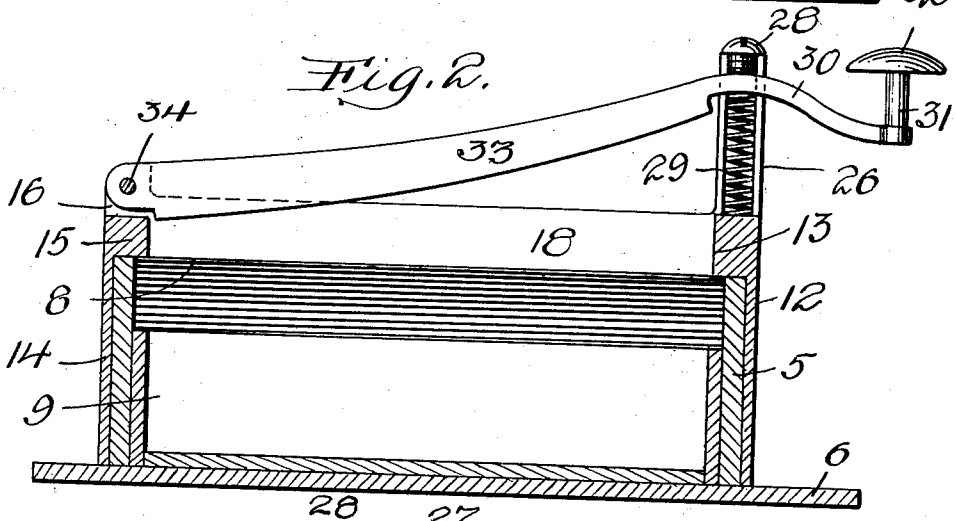


Fig. 3.

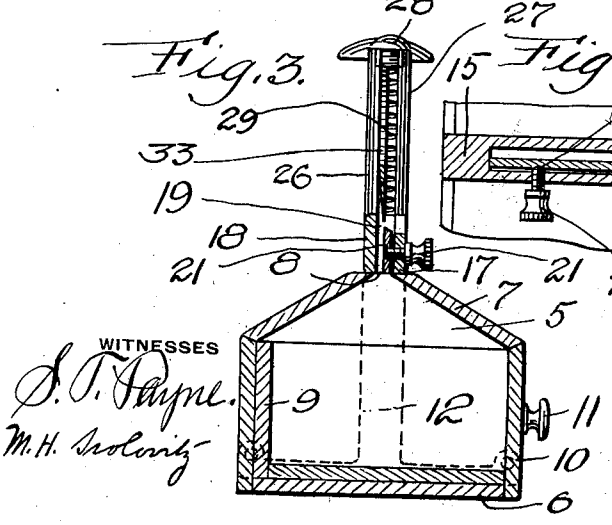
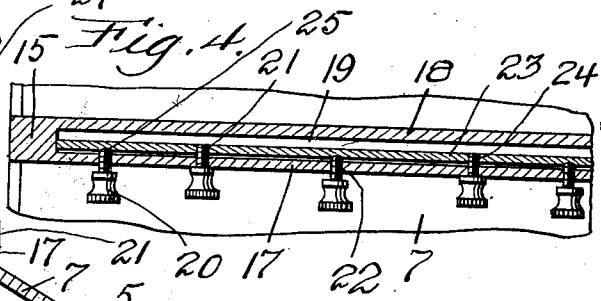


Fig. 4.



WITNESSES

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CUTTING-MACHINE.

1,094,964. Specification of Letters Patent. Patented Apr. 28, 1914.

Application filed December 11, 1913. Serial No. 806,054.

To all whom it may concern:

Be it known that I, JOHN BÁNYAI, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Cutting-Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a cutting machine, particularly adapted to cutting the ends and sides of sealed envelops, and has for its object to provide a device of such class, for the purpose set forth, which is simple in its construction and arrangement, strong, durable, efficient and convenient in its use, readily set up and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claim hereunto appended.

In the drawing wherein like reference characters denotes corresponding parts throughout the several views:—Figure 1 is a front elevation of a cutting machine in accordance with this invention, Fig. 2 is a longitudinal sectional view of the machine, Fig. 3 is a transverse sectional view, and Fig. 4 is a sectional plan illustrating the lower cutting blade.

Referring to the drawings in detail, 5 denotes a receptacle having an extended bottom 6, an open front and an inverted V-shaped top 7 having the apex cut away to provide an opening 8. Arranged within the receptacle 5 is a drawer 9 having the front wall 10 thereof abutting against the bottom 6 and provided with a knob 11.

Fixedly secured to one of the end walls of the receptacle 5 is an upright 12 having a portion intermediate of its ends, as indicated at 13, overlapping the top 7 centrally thereof. Fixed to the other end wall of the receptacle 5 is an upright 14 of less height than the upright 12 and which has the upper portion thereof as at 15 overlapping the top 7 centrally thereof. The portion 15 of the upright 14 is bifurcated as at 16.

Extending across the top 7 at the center thereof, are a pair of coupling bars 17, 18, which are arranged in parallelism and spaced from each other. One end of the bars 17, 18, is formed integral with a portion 15 of the upright 14 and the other end of the bars 17, 18, is formed integral with the portion 18 of the upright 12. The bar 18 is of greater height than the bar 17 and the space 19 between said bars 17, 18 registers with the opening or passage 8. The bar 17 is formed with a series of transverse openings 20 having the walls thereof threaded and extending through certain of said openings 20, are coupling screws 21 and extending through the other of said openings are adjusting screws 22.

The reference character 23 denotes the lower cutter blade which is arranged within the space 19 and is formed with openings 24 having threaded walls with which engage the screws 21 whereby the blade 23 is connected to the bar 17 and suspended within the space 19. The blade 23 is formed with notches 25 in which engage the inner end of the adjusting screws 20.

That part of the upright 5, above the portion 13 is formed of two sections 26, 27, which are substantially semi-cylindrical in sectional plan, and the said sections 26, 27, have connected to their top and abutment screw 28. Arranged between the sections 26, 27, and mounted upon the portion 13 is a coiled compression spring 29, which has seated upon the top thereof a curved arm 30. The curved arm 30 extends between the sections 26, 27 and is interposed between the spring 29 and the abutment screw 28. The spring 29 normally retains the curved arm 30 in an upright position, the arm 30 at its outer end has secured thereto a post 31 carrying a knob 32. The inner end of the arm 30 terminates in the upper cutting blade 33, the latter being curvilinear in contour and has its free end extending in the bifurcated upper end of the upright 14 and mounted upon the pivot 34 which is secured to said bifurcated upper end.

The bar 18 constitutes a stop for the envelop when positioning it between the cutting blades to be severed. When the side or end of an envelop is positioned across the space 13 and abutting against the bar 18, the said side or end when in such position can be severed by moving the blade 33 toward the stationary blade 23, under such conditions severing said end, the severed end

falling into the drawer within the receptacle 5.

What I claim is:—

A cutting device comprising a receptacle provided at its top with a passage, a pair of uprights secured to the ends of said receptacle and one of greater height than the other, a pair of parallel spaced bars extending across the top of said receptacle and connected to said uprights, the space between said bars registering with said passage, a stationary cutting blade connected to one of said bars and suspended within said passage, a cutting blade arranged above and associated with said stationary blade and pivotally connected at one end to one of said uprights, a curved arm projecting from the other end of said pivoted blade and extending through said upright of greater height, a spring arranged in said upright of greater height to normally maintain said pivoted blade in an elevated position, and an abutment screw connected to said upright of greater height and limiting the upward movement of said arm.

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

JOHN BÁNYAI.

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