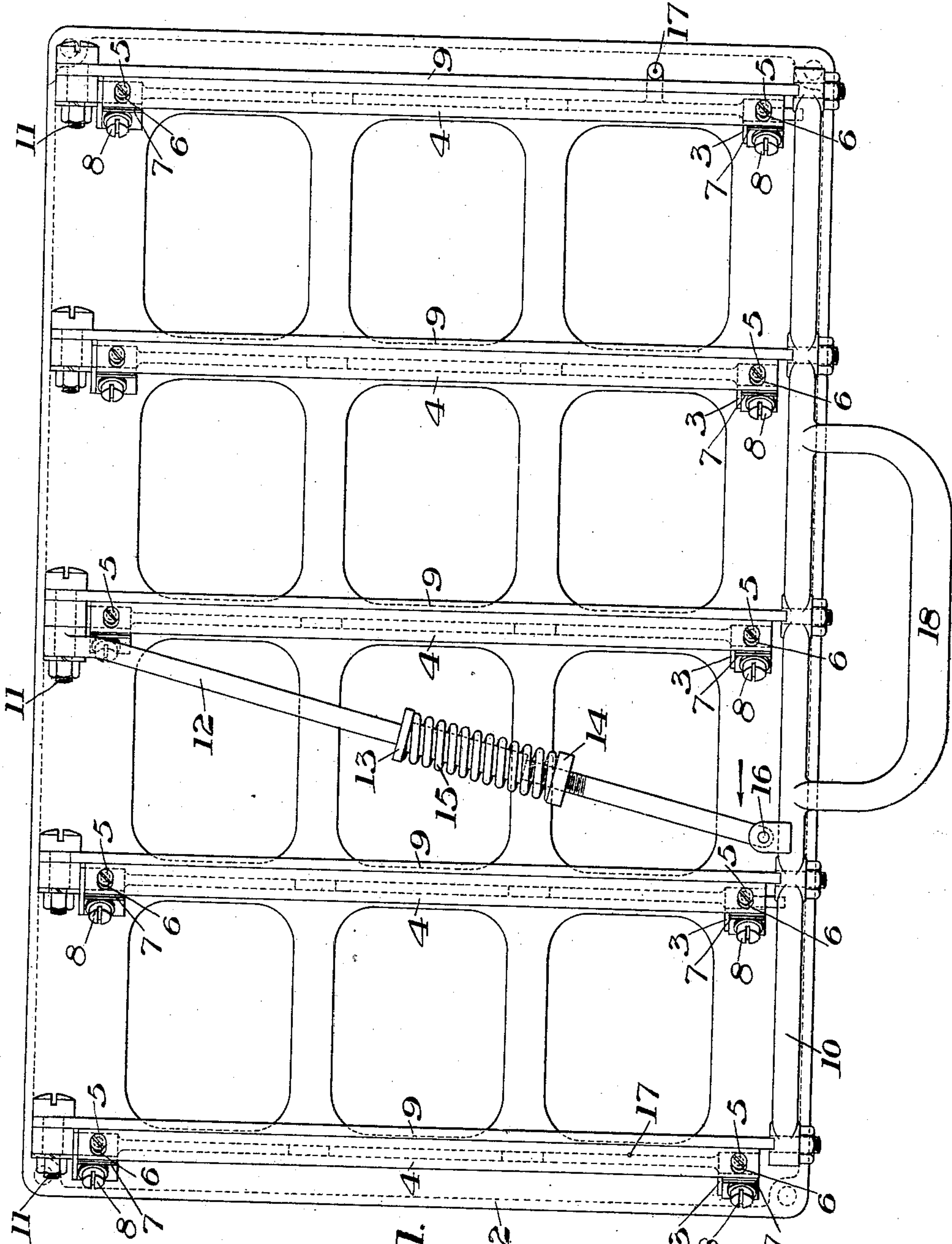


No. 863,714.

PATENTED AUG. 20, 1907.

W. G. HAGER.
CUTTING MACHINE.
APPLICATION FILED DEC. 11, 1906.

2 SHEETS—SHEET 1.



WITNESSES

W. W. Swartz
R. A. Balderson

INVENTOR

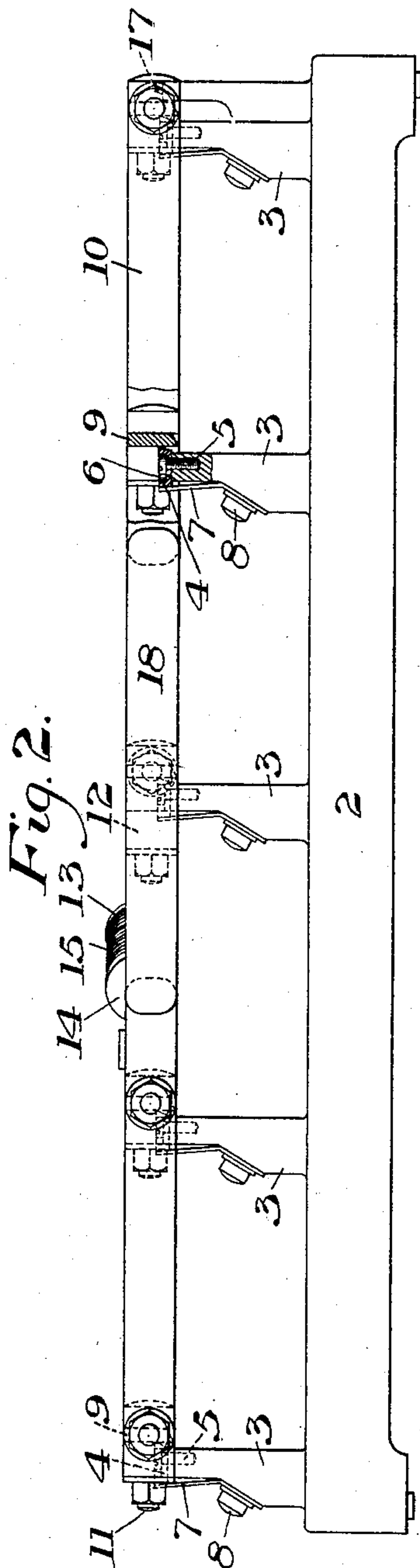
William G. Hager
by J. A. H. Jones
his atty.

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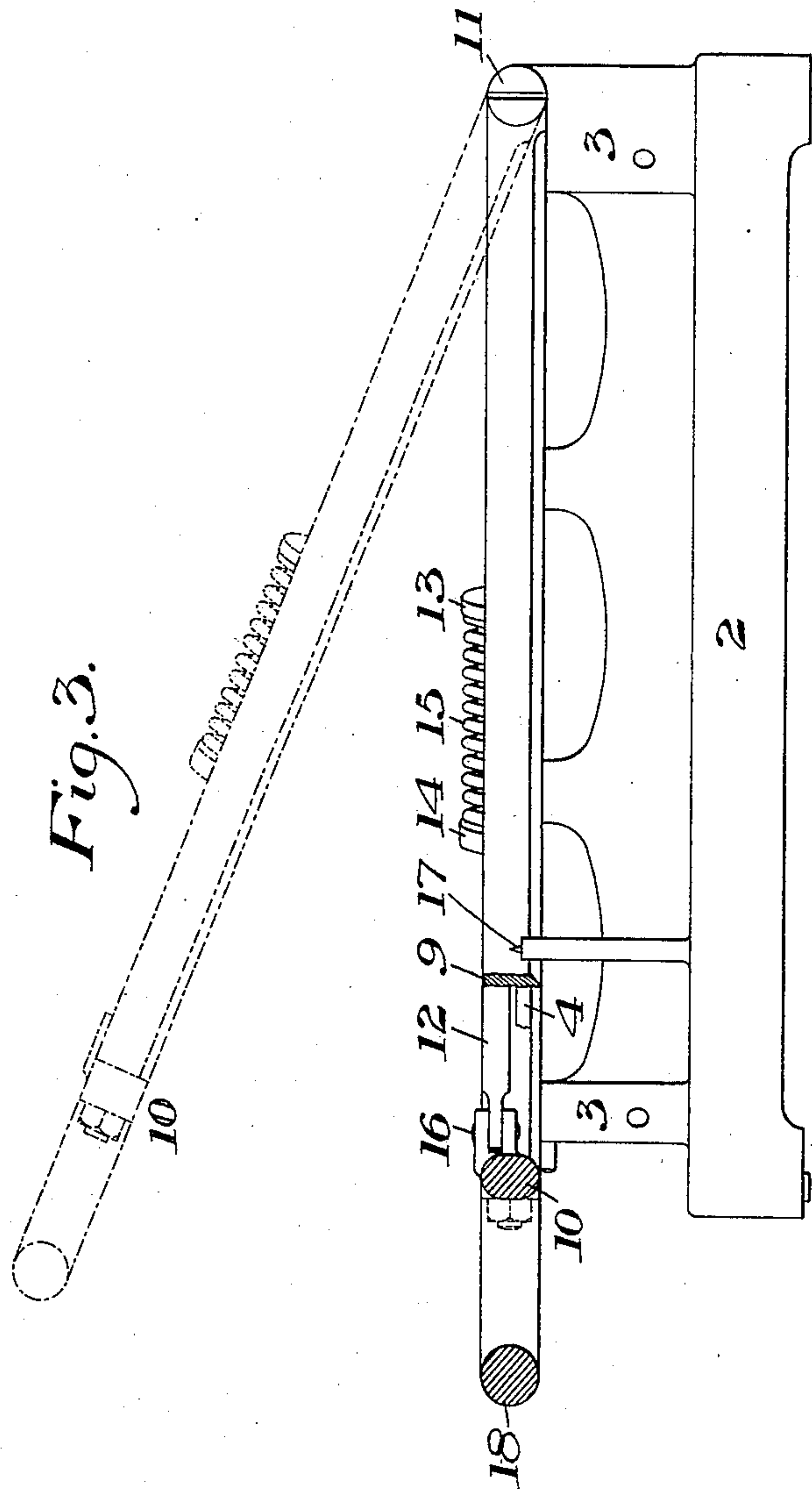
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2 SHEETS—SHEET 2.



WITNESSES

W. U. Swartz
R. A. Balderson



INVENTOR

William G. Hager
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UNITED STATES PATENT OFFICE.

WILLIAM G. HAGER, OF JOHNSTOWN, PENNSYLVANIA.

CUTTING-MACHINE.

No. 863,714.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed December 11, 1906. Serial No. 347,292.

To all whom it may concern:

Be it known that I, WILLIAM G. HAGER, of Johnstown, Cambria county, Pennsylvania, have invented a new and useful Cutting-Machine, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of a cutting machine embodying my invention; Fig. 2 is a front elevation of the same partly broken away; Fig. 3 is an end view of the same also partially broken away, and indicating the raised position of the movable cutter-carrying frame in dotted lines.

My invention has relation to the class of cutting machines, and is more particularly intended to provide a machine for cutting bank notes or currency, although it may be used for other purposes.

The object of my invention is to provide a simple and efficient machine by means of which bank notes, paper, or other sheet material, may be readily and accurately cut into individual sheets or sizes, a plurality of cuts being made at each operation of the machine.

With these objects in view, my invention consists in the novel construction, arrangement and combination of parts all substantially as hereinafter described and pointed out in the appended claims.

In the accompanying drawings, which illustrate one form of my invention, the numeral 2 designates the base portion of the machine having a series of short vertical posts or standards 3 upon which are carried the relatively fixed cutters or blades 4. These blades are secured by means of the screws 5 passing through slots 6 in the blades 4 into the posts 3, the blades 4 being capable of a limited horizontal movement by reason of said slots.

7 designates springs which are secured to the posts by means of the screws 8, and which press against the rear edges of the blades 4 at the end portions thereof for the purpose of holding them towards the movable blades as the latter are moved down to make a cut. These movable blades are shown at 9, and are secured in a frame 10 which is pivotally connected to the base 2 at the rear side of the machine by means of the bolts or pivots 11.

12 designates a tension rod formed in two sections, whose meeting end portions are telescoped, one of the

sections having a fixed shoulder or abutment 13, the other having an adjusting nut 14. Seated between this shoulder and nut is a compression spring 15. One end of the rod 12 is pivoted on one of the bolts 11, and its other end is pivotally connected to the front edge of the movable frame 10, as indicated at 16, whereby the spring is caused to act upon the frame 10 in the direction of the arrow in Fig. 1, to force the upper relatively movable blades towards the edges of the relatively fixed blades.

17 designate guide or edging pins, for holding the paper or other material to be cut in proper position.

The operation will be readily understood. The sheets of paper or other material are placed on the knives 4, and the pivoted frame 10 is depressed by means of the handle 18, the blades 9 coöperating with the blades 4 to make the series of cuts.

The advantages of my invention consist in the simplicity of the machine, and in the accuracy with which it operates, the provision of the spring-pressed blades insuring a true cut without tearing of the paper or other material.

Various changes may be made in the details of construction and arrangement without departing from the spirit and scope of my invention, since

What I claim is:—

1. A cutting machine having a plurality of relatively fixed spring-pressed blades, a plurality of coöperating movable blades, and spring means arranged to hold the last-named blades towards the cutting edges of the relatively fixed blades; substantially as described.

2. A cutting machine having a base portion provided with a plurality of spring-pressed cutting blades, a frame pivoted to the base portion and carrying a plurality of coöperating cutting blades, and spring means for holding the last named blades towards the cutting edges of the relatively fixed blades; substantially as described.

3. A paper cutting machine having a base portion provided with a plurality of spring-pressed cutting blades, a cutter-carrying frame pivoted to the base portion and having a series of cutters, and a spring device mounted on the cutter-carrying frame and acting thereon to force its cutters towards the cutting edges of the relatively fixed blades; substantially as described.

In testimony whereof, I have hereunto set my hand.

WILLIAM G. HAGER.

Witnesses:

FRANCIS C. MARTIN,
SARA PRICE REESE.