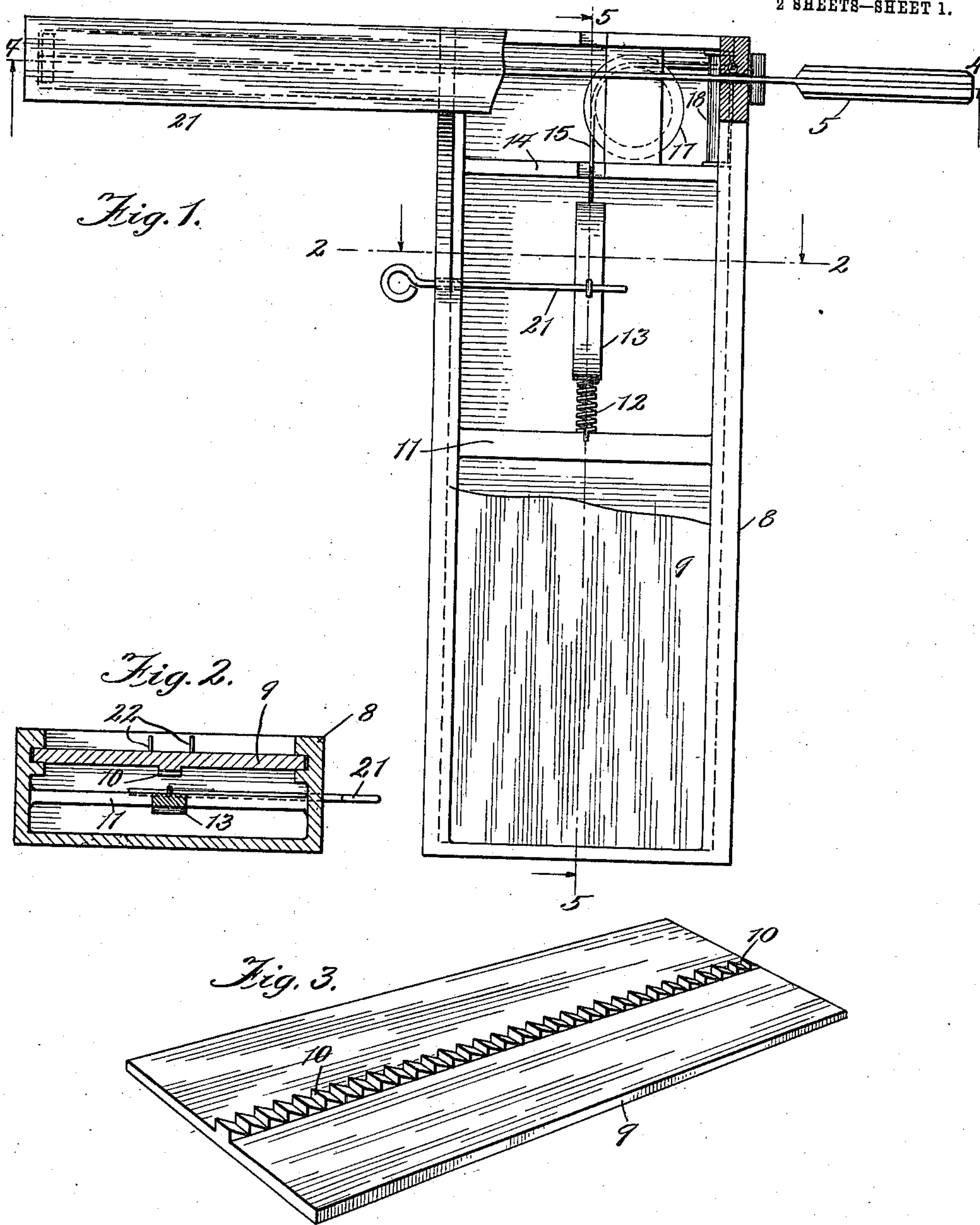


V. LARSON.  
BREAD SLICER.  
APPLICATION FILED AUG. 26, 1909.

963,300.

Patented July 5, 1910.

2 SHEETS—SHEET 1.



Witnesses

Wm D. Perry  
Albert J. Sander

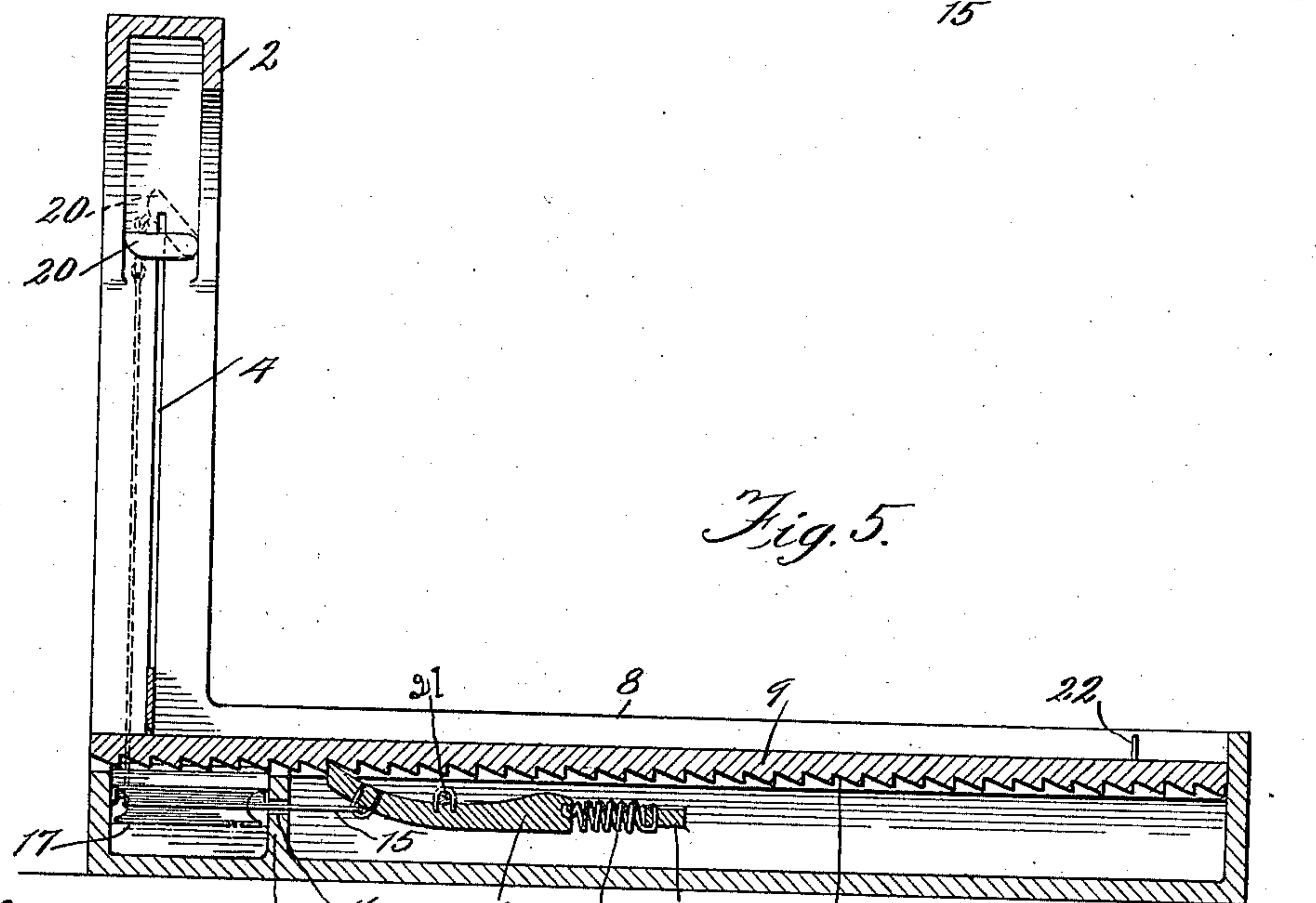
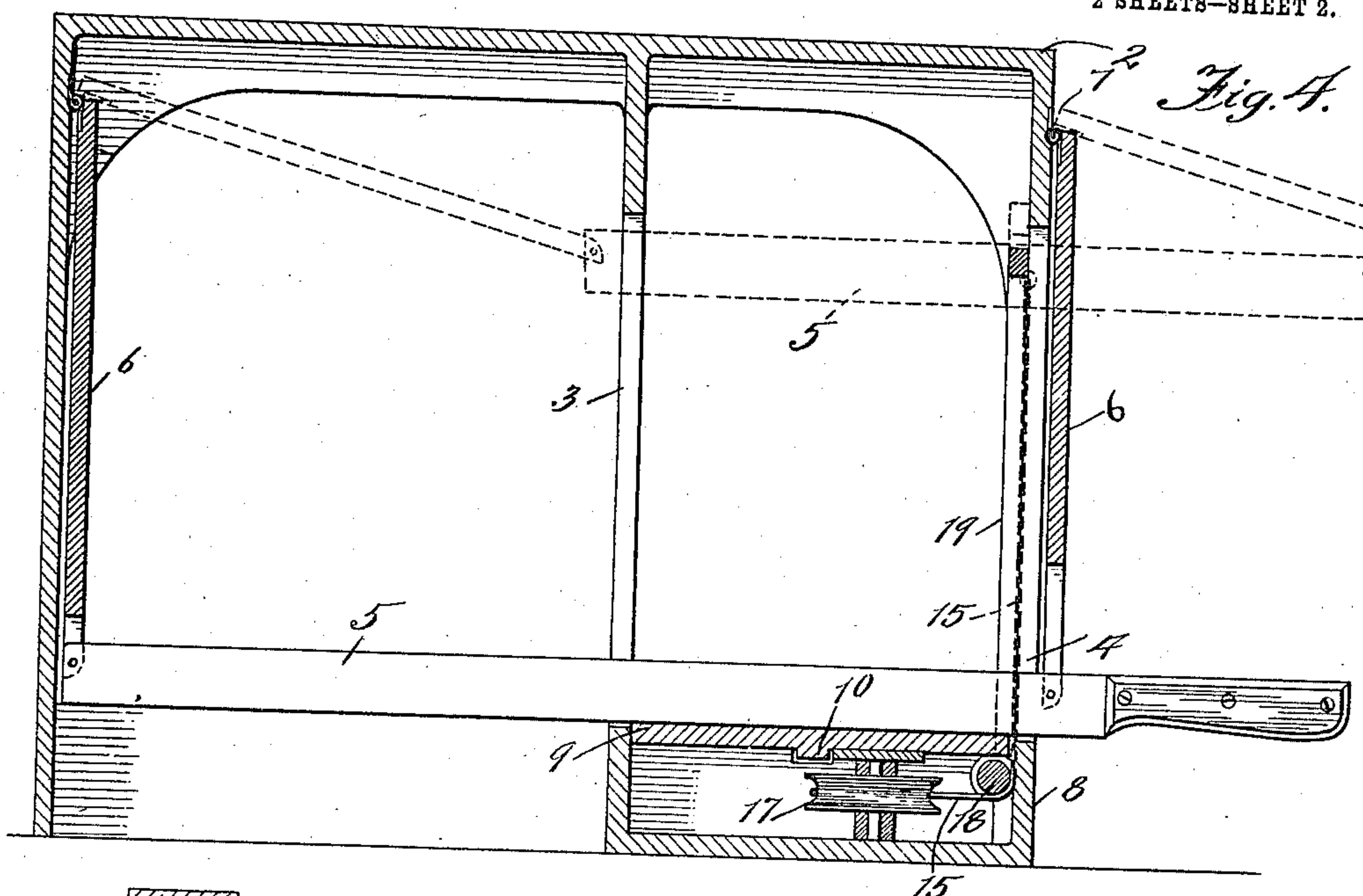
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By



Witnesses 14 16 13 12 11 10

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# UNITED STATES PATENT OFFICE.

VICTOR LARSON, OF TRIMOUNTAIN, MICHIGAN.

BREAD-SLICER.

963,300.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed August 26, 1909. Serial No. 514,721.

*To all whom it may concern:*

Be it known that I, VICTOR LARSON, a citizen of the United States, residing at Trimountain, in the county of Houghton and State of Michigan, have invented certain new and useful Improvements in Bread-Slicers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to bread slicers and more particularly to a device of the kind that automatically advances the loaf under the knife the thickness of one slice with each vertical movement of the knife.

15 It includes means for holding the bread rigidly in position on the slide under the knife and means removably inserted in the machine for regulating the thickness of slices.

20 With this and other objects in view the invention consists in the construction and combination of parts as will be hereinafter more fully described in the specification, pointed out in the claim and illustrated in the accompanying drawings, in which—

25 Figure 1 is a broken plan view of the invention. Fig. 2 is a detail of Fig. 1 taken on line 2—2. Fig. 3 is a bottom plan view of the slide employed. Fig. 4 is a vertical cross section on line 4—4 of Fig. 1. Fig. 5 is a similar view on line 5—5 of Fig. 1.

Like reference characters indicate corresponding parts throughout the several views.

35 The numeral 2 represents an oblong casing having a partition 3 intermediate its extremities and provided with a vertical slot 4 in the front end thereof; a similar vertical slot is also provided in the aforesaid partition.

40 5 represents a knife suspended by swinging arms 6 which arms are hinged as at 7 to the outer and inner surfaces of the front and rear walls, respectively, of the casing. Through this arrangement the knife with 45 arms 6 attached thereto may be manually raised to the position shown in dotted lines in Fig. 4 and lowered again thus giving it a vertical movement in the plane of the casing and through the slots 4 of the partition and front wall of said casing.

50 8 is a trough or slideway arranged at right angles to the casing and positioned between the partition and front end of said casing and provided with a slide 9 mounted in the side walls thereof; said slide is provided on its under surface along approximately its

longitudinal center with raised teeth or serrations 10.

11 is a cross piece running transversely of the trough suitably positioned between the floor thereof and the slide 9 and having a coil spring 12 secured to one side thereof, said spring in turn being secured at its opposite extremity to a tongue member 13 arranged parallel to the floor of the trough. 65 Another transverse member 14 is arranged in the trough near its forward end and provided with an aperture 16 through which a cord 15 having one end secured to tongue 13 passes; said cord 15 passes over a spool 17 arranged between cross member 14 and the adjacent end of the trough and in a direction toward the front end of the casing, continuing it passes under a spool 18 lying at right angles to the plane of the casing and in the same and upward in a vertical direction through an aperture in a studding 19 secured to the inner surface of the front end of the casing and has its extremity secured to the free end of a hinged block 20 80 lying on the upper extremity of studding 19.

The vertical slot 4 previously spoken of as running through the front end of the casing is also provided in studding 19. The tongue 13 has its pointed extremity upturned in a manner to engage the serrations arranged on the under surface of the slide. A pin 21 protruding through one side of the trough engages the upper surface of the aforesaid tongue by means of a small metal loop carried thereby; by means of this pin the tongue may be manually raised or depressed when desired to disengage the teeth of the slide while the same is being inserted in the trough. Small prongs 22 may be arranged 95 on the extremity of the slide remote from the knife to hold the loaf against lateral motion.

Operation: With the slide inserted its full length in the trough the loaf to be cut is placed thereon parallel to the same. The knife is then manually raised a sufficient distance to engage the hinged block carried on top of studding 19; when this block with cord 15 attached thereto is raised the tongue, whose pointed extremity engages serrations 10 of the slide, is drawn forward or toward the knife and the slide is taken forward with it. On the downward stroke of the knife the pressure at the pointed end of the tongue is removed when the spring at its opposite extremity pulls it back to its normal posi- 110



tion and it engages the next tooth of the slide and is ready for the next upward movement of the knife; thus it will be seen that the bread carried on the upper surface of the slide is cut in regular slices, automatically, of a thickness equal to the distance between the teeth or serrations of said slide. A number of slides having varying distances between the teeth thereof may be employed, inserting one with few teeth when large slices are desired and one with many teeth when thin slices are desired.

What I claim is—

In a bread slicer, a casing having a reciprocating knife therein, a trough extending through and beyond said casing and at right angles thereto, a toothed slide arranged within said trough, prongs 22 secured to said slide, a tongue arranged in said trough beneath the slide and adapted to engage the

teeth thereof to impart motion to the slide, a pin 21 for depressing said tongue when desired, spools suitably positioned at the junction of the trough and casing, a vertical studding having an aperture longitudinally therethrough secured to the front wall of the casing, a hinged block secured to the upper surface of said studding and adapted for contact with the knife on its upward stroke and connection between said block and the aforesaid tongue passing over the said spools and through the aperture in said studding substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

VICTOR LARSON.

Witnesses:

LOUIS E. NELSON,  
JOSEPH PAULL.