

No. 831,610.

PATENTED SEPT. 25, 1906.

A. C. HUMMER.
BUTTER CUTTER.
APPLICATION FILED JUNE 4, 1906.

Fig. 1

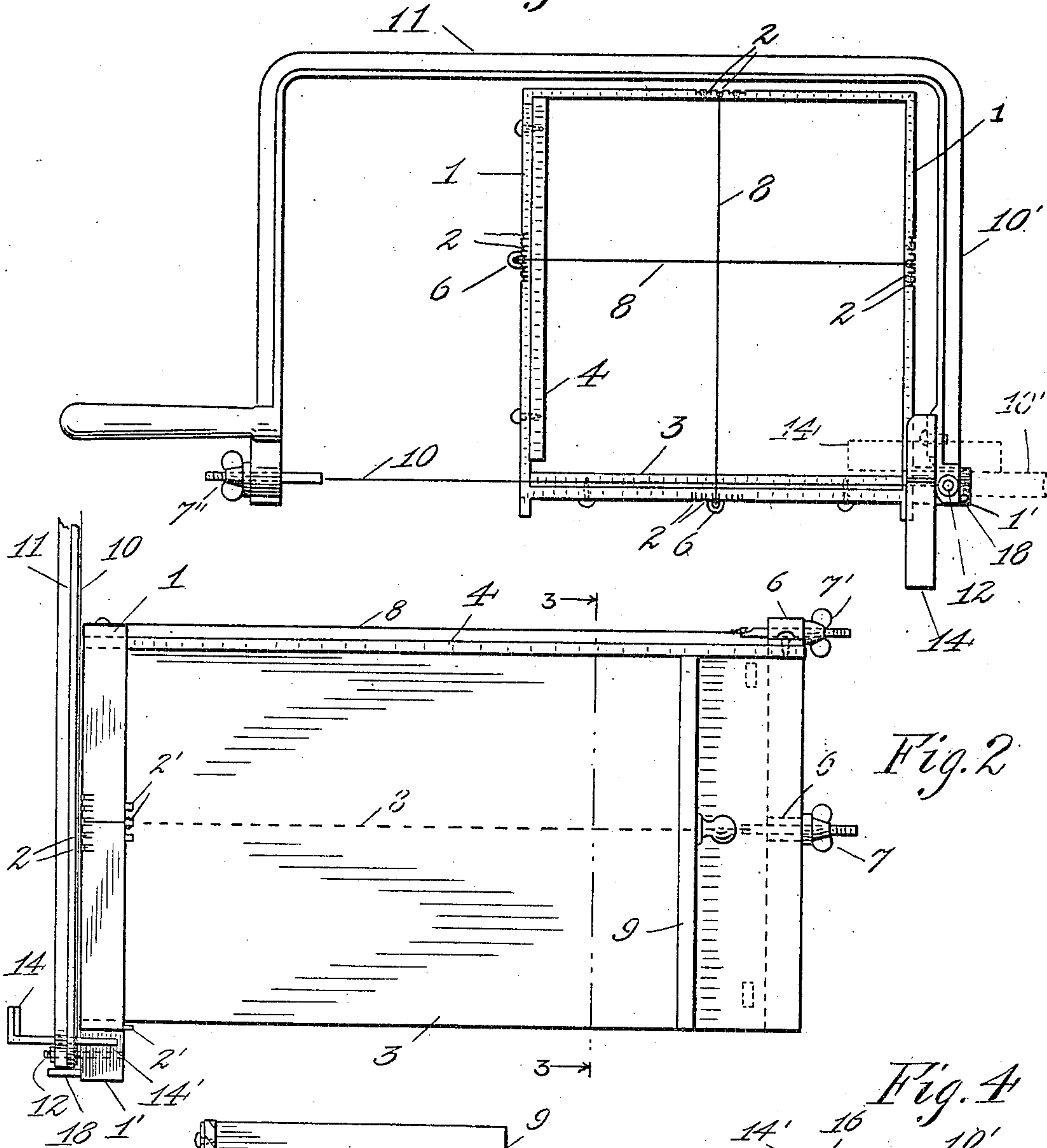


Fig. 2

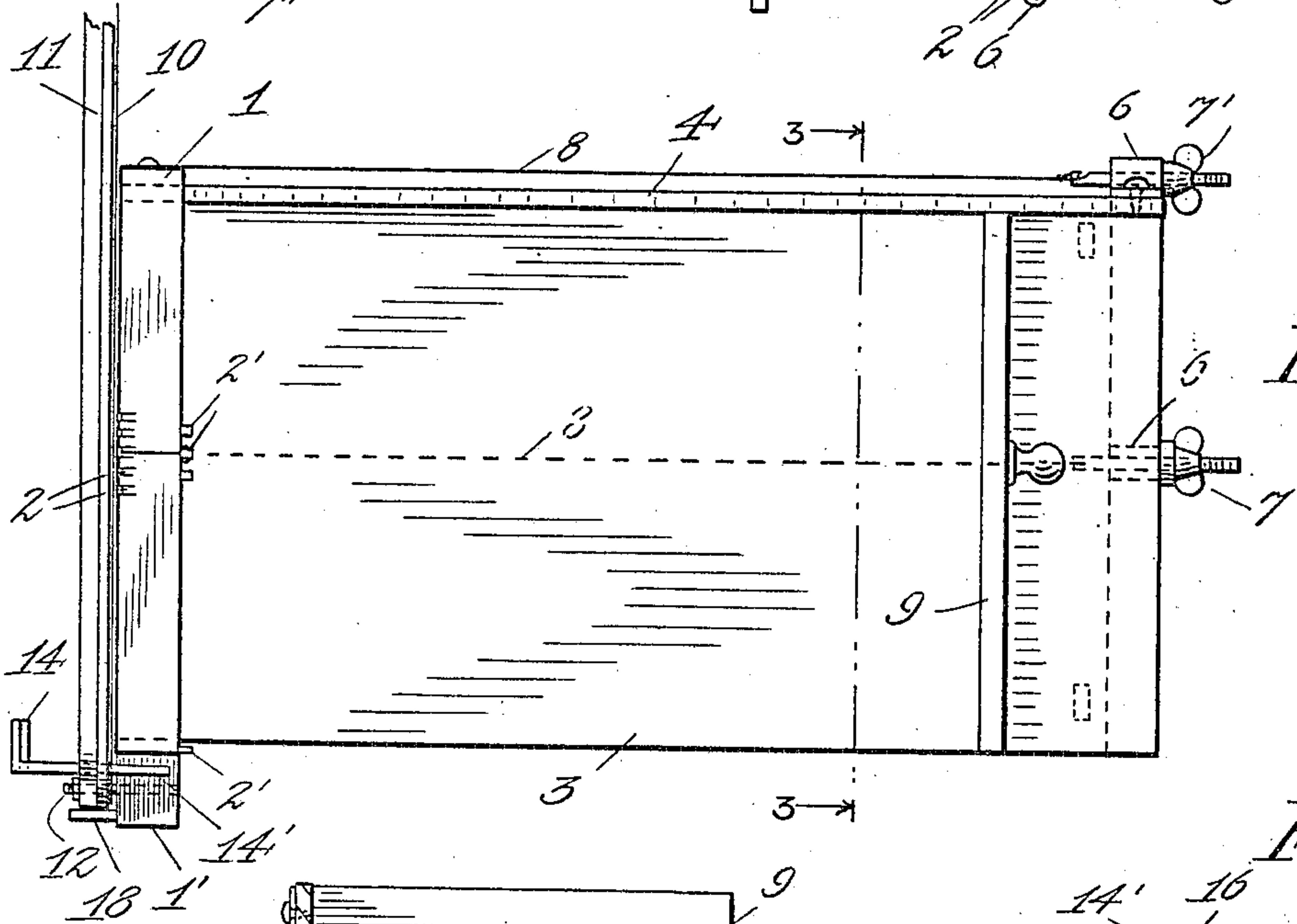


Fig. 4

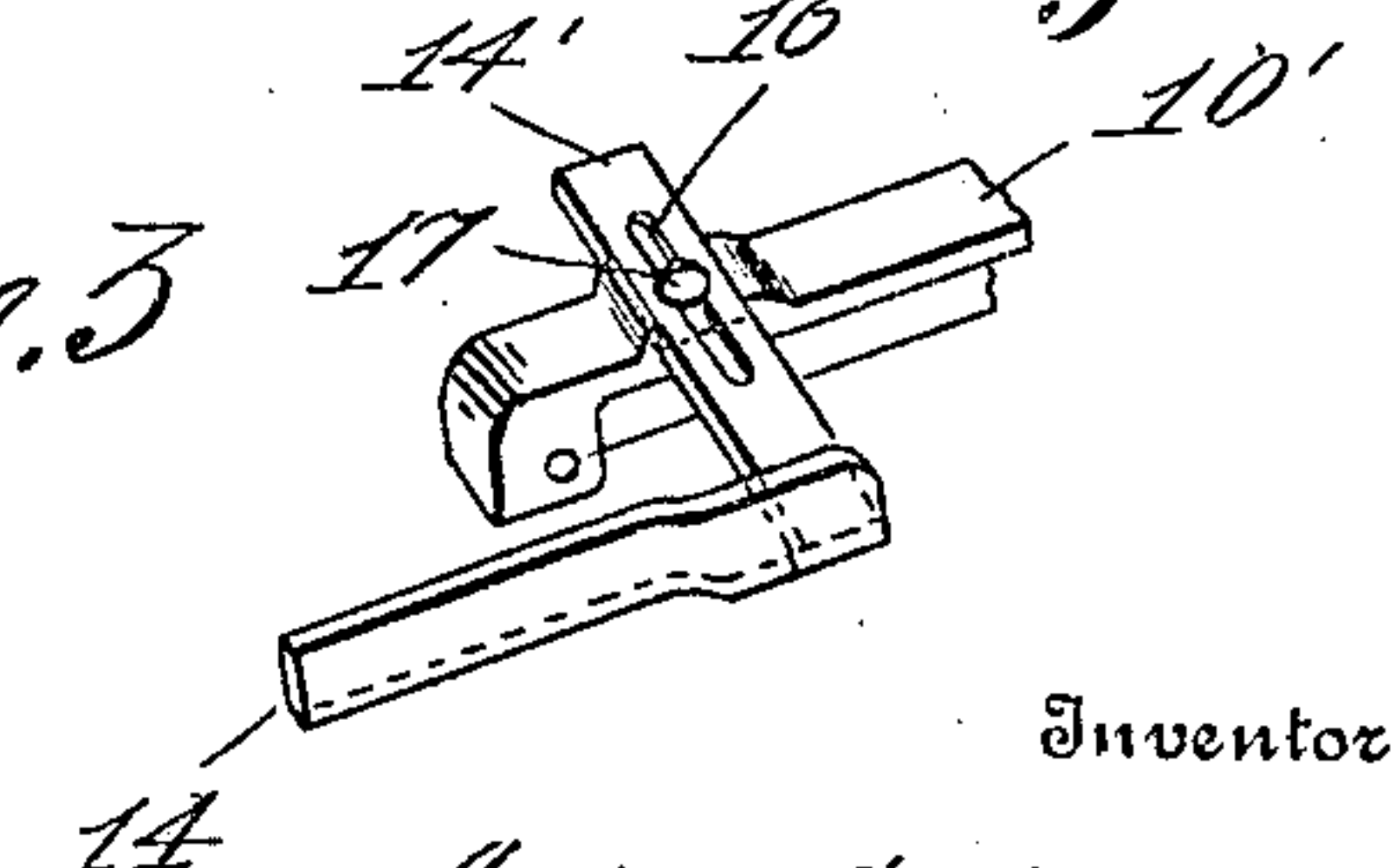
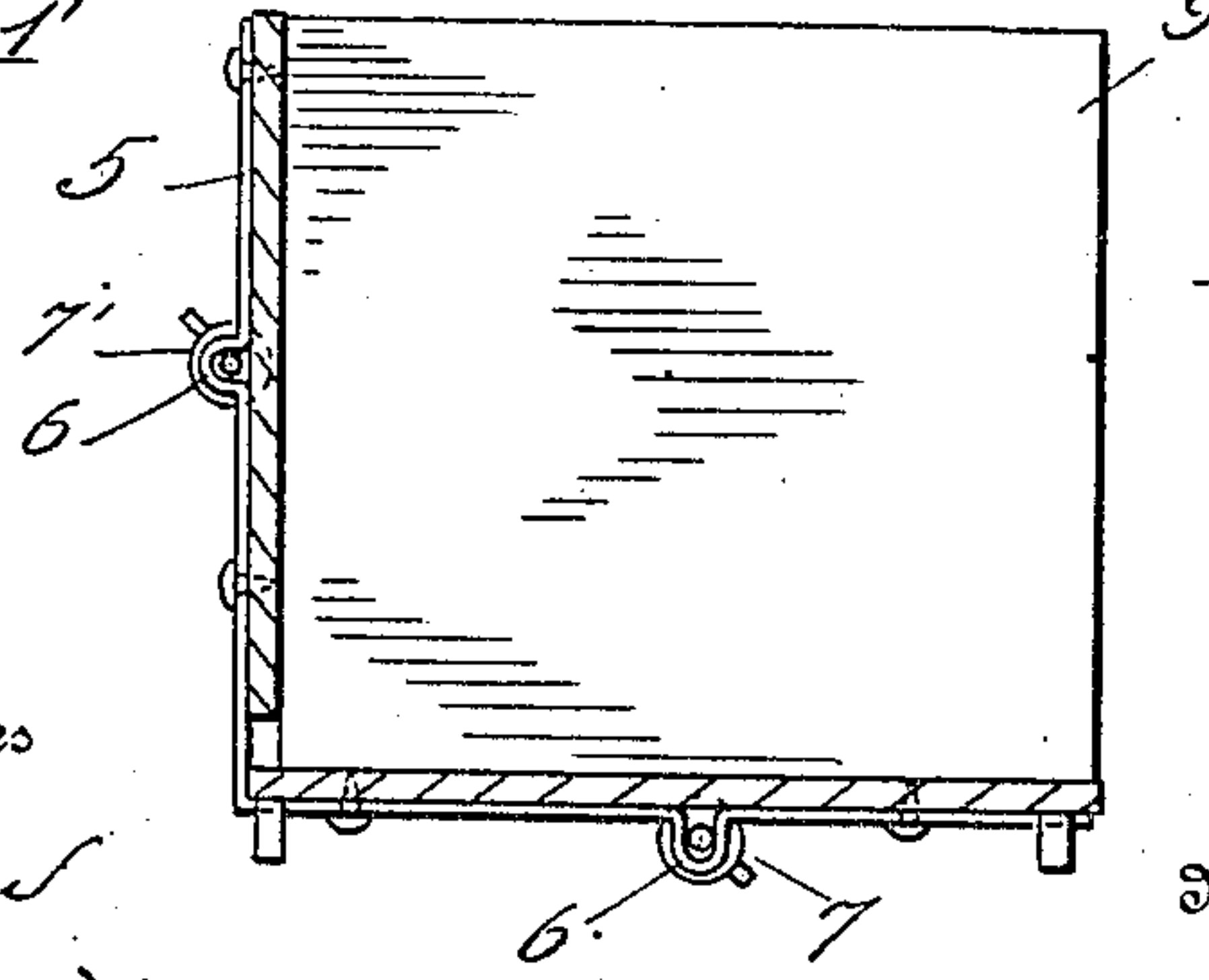


Fig. 3



Witnesses

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BUTTER-CUTTER.

No. 831,610.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ARTHUR C. HUMMER, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Butter-Cutters, of which the following is a specification.

The object of my invention is to simplify and improve devices of the above nature and resides in the construction, combination, and arrangements of parts, as set forth in this specification and defined in the appended claims.

With reference to the accompanying drawings, in which similar reference-numerals designate corresponding parts throughout, Figure 1 is an end view of a butter-cutter embodying my invention. Fig. 2 is a plan view thereof, portions of some of the parts being broken away. Fig. 3 is a transverse section taken on line 3 3 of Fig. 2, and Fig. 4 is a fragmentary perspective view.

In the drawings reference-numeral 1 designates a rectangular frame provided with spaced-apart notches, as 2, in the forward outer edge of the center portion of each of the bars thereof and having projections 2' spaced apart on the top bars and on one side bar rearwardly of said notches. Secured to this frame is a bottom plate 3, which serves to support the body of butter to be cut for movement, and a side plate 4, which guides said body. Side plate 4 is disposed at the opposite side of said frame to the side bar having the projections 2', and this plate and plate 3 are securely fastened at their rear ends by an L-shaped brace 5, having a lug, as 6, on each of its limbs.

Reference-numerals 8 8 indicate cutters consisting of wires extending across frame 1 in angular relations to each other and seated in notches 2 of the frame-bars which they cross. One of said wires is formed with a loop at one end engaging one of the projections 2' of the top bar of said frame and has its opposite end engaged with a suitable tension device 7, seated on the bottom lug 6. The other wire is likewise secured to one of the lugs 2' on the side bar of the frame and to a tension device 7', seated on the side lug 6. Thus the cutters may be readily adjusted laterally as desired by operating their respective tension devices to loosen the cutters and then transferring the looped ends thereof to

the projections 2', which lie adjacent the respective notches 2, to which the cutters are to be transferred.

Reference-numeral 9 designates a suitable follower for engagement with the body of butter to feed the same toward the cutters 8.

Numerals 10 designates a cutter for cutting across the path of the body of butter, the same conveniently consisting of a wire supported on a frame 11 of substantially inverted-U-shape form. This frame has one of its stems, as 10', swingably engaged with a forwardly-projecting pivot 12, seated on a lug 1' of frame 1, and as now considered the cutter 10 is secured at one end to said stem and has its other extremity engaged with a suitable tension device 7'', seated on the other stem of the cutter-frame.

14 indicates means for limiting the movement of the body of butter, the same conveniently consisting of a finger connected with frame 11, so as to be moved into the path of the body of butter when the frame is retracted and moved out of said path when the frame is advanced. In the construction shown the said finger is provided at one extremity with a shank 14', extending at an angle from one side face thereof and slidably engaged for adjustment of the finger relatively to the plane of cut of cutter 10 in a groove extending transversely of the stem 10' of frame 11. Shank 14' is held adjustably secured by a screw 17, which passes through a slot 16 in said shank and has threaded engagement with the stem 10'.

Reference-numeral 18 indicates a stop conveniently consisting of a pin secured to lug 1' and arranged so as to engage with stem 10' of frame 11 when said stem is brought to either a vertical or horizontal position, thereby limiting the movement of said frame in either direction.

In operation the body of butter to be cut is placed upon plate 3 with the frame 10 in retracted position and the finger 14 and cutters 8 adjusted as desired. The follower 9 is then engaged with the rear end of the body to force it forwardly until it contacts with said finger, thus causing the cutters 8 to produce intersecting slits in the forward end portion of said body. The frame 11 is then advanced to move cutter 10 through the body of butter, during which operation finger 14 is moved to a position wherein it will lie clear of the falling portions of butter cut by cutter 10.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A butter-cutter comprising means for supporting a body of butter for movement, a cutting means movable into and out of the path of said body, and means engaging the body when advanced for limiting the movement thereof operated so as to be moved away from said body as the cutting means is moved for cutting.

2. A butter-cutter comprising a means for supporting a body of butter for movement, a cutting means movable to and from the path of said body, and means for limiting the movement of said body associated with said cutting means for movement into said path in advance of the body as the cutter is moved from said path.

3. A butter-cutter comprising means for supporting a body of butter for movement, a frame supported for movement to and from the path of said body, a cutter mounted on said frame, and means to limit the movement of said body mounted on said frame and arranged to be moved into the path of the butter in advance of the said body as the frame is moved from the path and to move from said path as the frame is moved toward the same.

4. A butter-cutter comprising means for supporting a body of butter for movement, a frame swingingly supported for movement to and from the path of said body in a relatively angular plane, means to limit the movement of said body arranged on said frame so as to move into said path as the frame is moved therefrom and to move from the path

as the frame is moved toward the same, and a cutter mounted on said frame rearwardly of said limiting means.

5. A butter-cutter comprising means for supporting a body of butter for movement, a frame swingably supported for movement to and from the path of said body in a relatively angular plane, a stop arranged to contact with said frame when the frame is in either retracted or advanced positions, means to limit the movement of said body comprising a finger arranged on said frame so as to project into said path and to lie without the same when the frame is respectively in retracted and advanced positions, and a cutter mounted on said frame rearwardly of said limiting means.

6. A butter-cutter comprising a rectangular frame having notches spaced apart in the forward outer edge of each bar thereof, a bottom plate and a side plate secured to said frame and extending rearwardly thereof, tension devices mounted on said plates adjacent their rear ends, angularly-disposed cutters in the form of wires seated in opposite notches of said frame and engaged at one end each with a respective one of said tension devices, each of said cutters being secured at the opposite end to said frame rearwardly of the adjacent notches therein, a cutter-frame swingingly supported in front of said first frame, and a cutter mounted on said last frame.

Signed at Seattle, Washington, this 28th day of May, 1906.

ARTHUR C. HUMMER.

Witnesses:

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