

No. 711,908.

Patented Oct. 21, 1902.

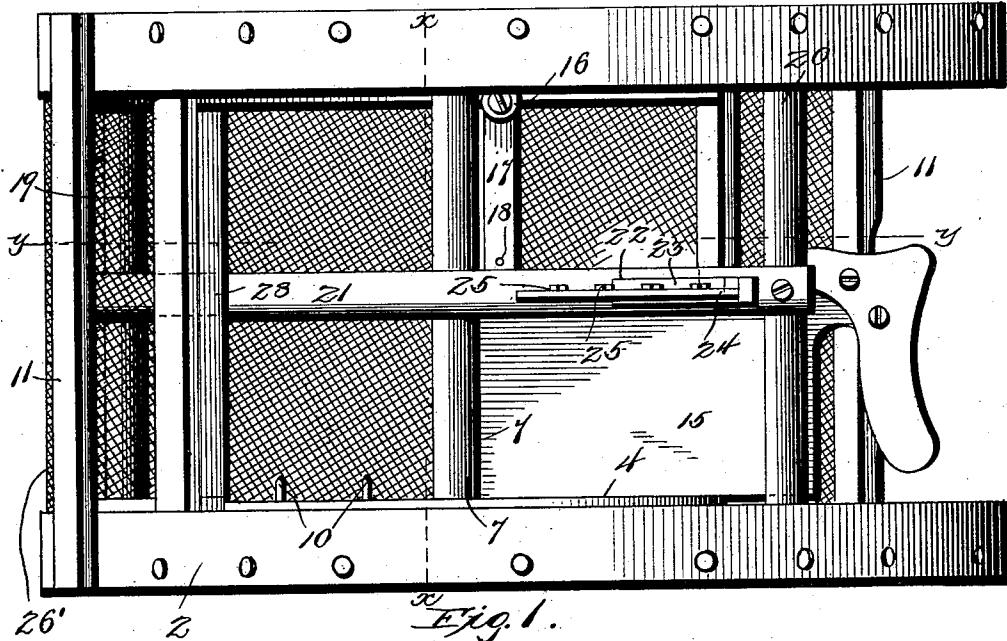
M. W. MIRACLE.

## CHEESE KNIFE.

(Application filed Feb. 11, 1902.)

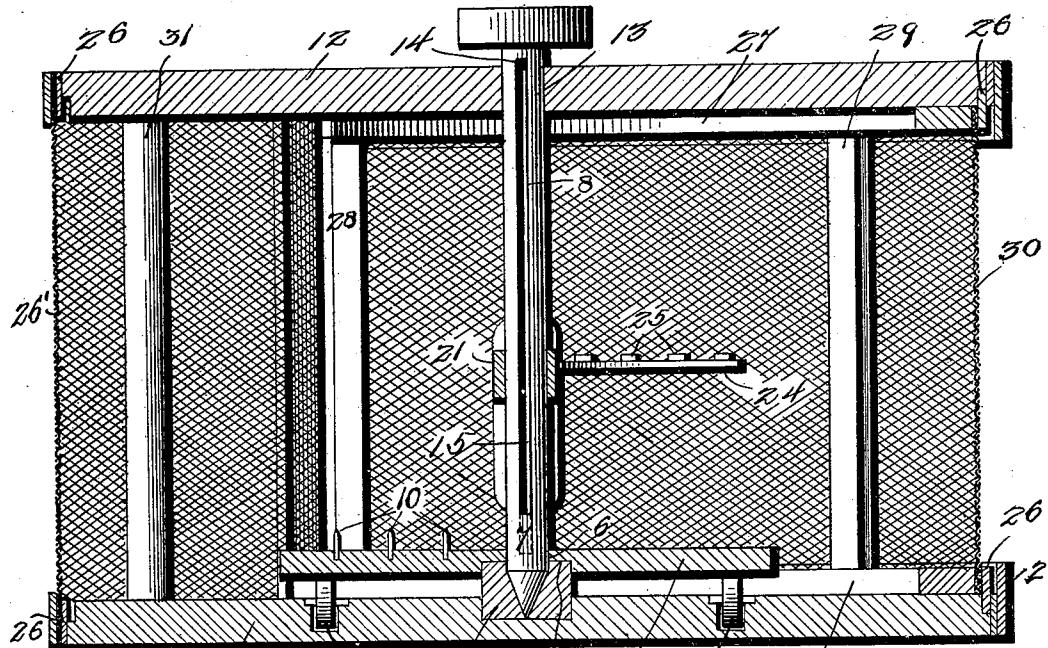
(No Model.)

2 Sheets—Sheet 1.



<sup>x</sup> Fig. 1.

Fig. 2.



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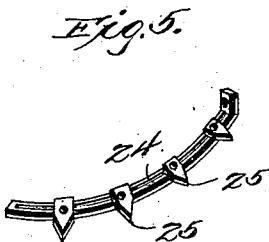
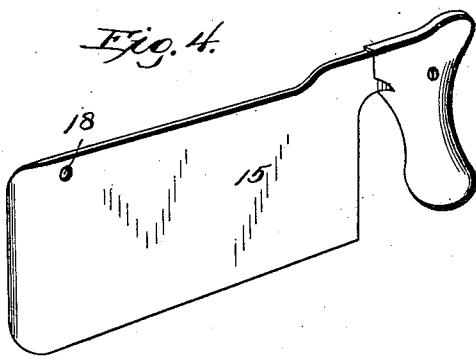
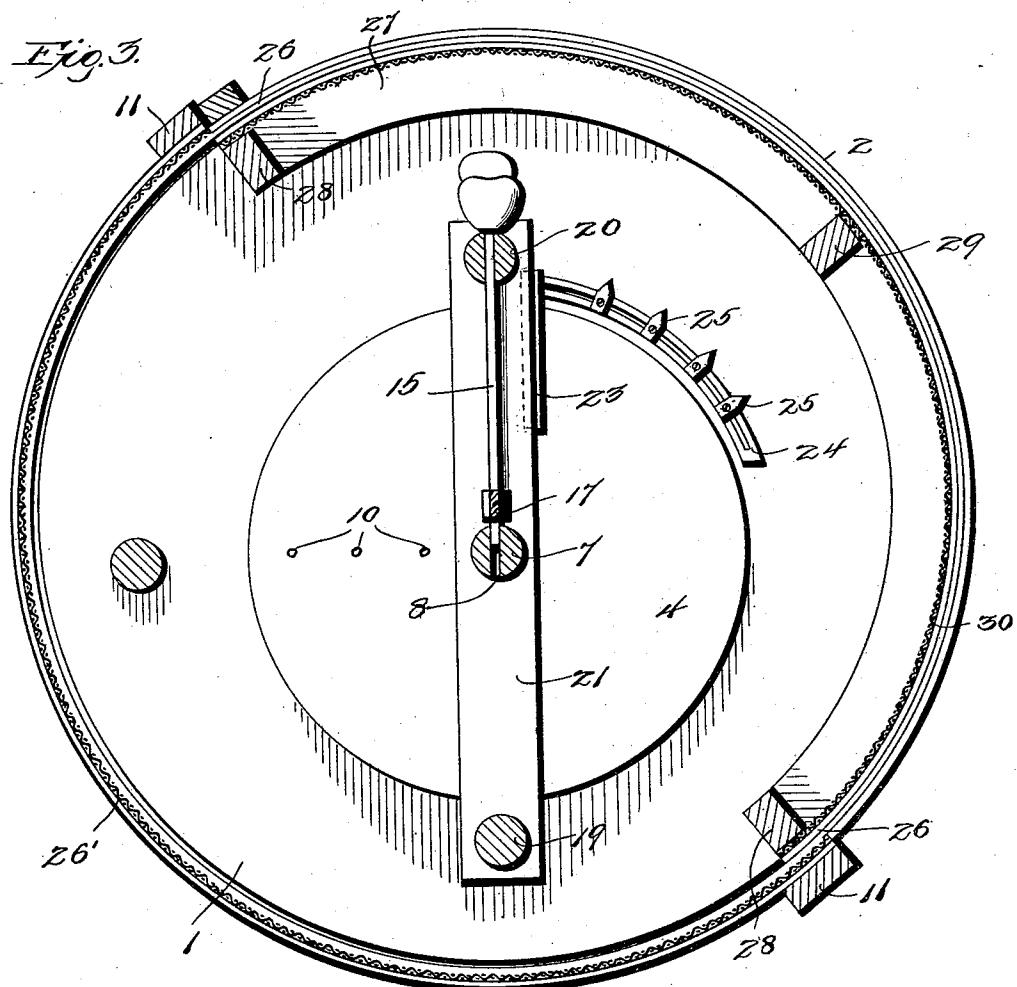
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2 Sheets—Sheet 2.

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Witnesses

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# UNITED STATES PATENT OFFICE.

MERIDITH W. MIRACLE, OF SPRINGDALE, ARKANSAS.

## CHEESE-KNIFE.

SPECIFICATION forming part of Letters Patent No. 711,908, dated October 21, 1902.

Application filed February 11, 1902. Serial No. 93,500. (No model.)

*To all whom it may concern:*

Be it known that I, MERIDITH W. MIRACLE, a citizen of the United States, residing at Springdale, in the county of Washington and 5 State of Arkansas, have invented certain new and useful Improvements in Cheese-Knives, of which the following is a specification.

My invention relates to cheese-knives; and it consists in a circular disk, posts extending 10 upwardly from the periphery of said base, a circular top secured on the upper ends of said posts, a stationary half-circle gauze side wall, a half-circle gauze sliding door or wall, a rotary table journaled on said base, a hinged 15 knife, and a measuring device.

In the accompanying drawings, Figure 1 is an elevation of my invention with the door thrown back, thus exposing the knife and measuring device to view. Fig. 2 is a vertical sectional view at right angles (line X X) to the view shown in Fig. 1. Fig. 3 is a cross-sectional view of my invention cut on the line Y Y of Fig. 1. Fig. 4 is a perspective view of the knife. Fig. 5 is a perspective view of 25 the measuring device.

My invention is described as follows:

1 is a circular disk, as shown in Fig. 2. It is not shown in Fig. 1, because it is hidden from view by a strip 2, which covers it. Eccentrically situated in the said base 1, but not far from the center, is a bearing 3, sunk some distance in said base, but extending above the face thereof, and pivoted on said bearing is a circular disk 4. Said disk has 35 an opening 5 countersunk in its bottom face, so that it may revolve on the bearing 3, and running entirely through the center of said disk is a perforation 6, concentric with the larger countersunk part, and through this 40 perforation 6 is the lower end of a standard 7, which standard has its bearing in the bearing 3. Said standard is slotted from very near its upper end to very near its lower end. This slot I have numbered 8.

45 Journalled in the upper face of the base 1 are four or more rollers 9 for the rotary disk 4 to revolve on. This rotary disk is for the purpose of holding a cake of cheese and has extending in a straight line from its center a 50 row of pins 10 to keep the cake of cheese in place.

Secured to the periphery of the base 1 are

posts 11, which extend upwardly, and mounted on the upper ends of these posts is a cover 12, (see Fig. 2,) having through it on a line 55 immediately above the bearing 3 an opening 13, and through this opening the post 7 runs down until its lower end is socketed in the bearing 3. In order to hold the said post in the said opening 13 and at the same time to 60 allow it to move up and down, a wire 14 is passed through said slot, and each end of said wire is secured to the upper face of the cover 12. By this means this said post can be moved up until the lower end of the slot is against 65 the wire 14, and then it is out of the way, so that a cheese-cake may be slipped in and placed on the circular disk and pressed down until the pins 10 take hold; but before the 70 cake is put in place a hole is made through its center for the said post 7 to pass through, and thus when the said cake of cheese is in place the said disk may be revolved, and thus the cheese-cake is also revolved.

The post 20, or that post which is at the 75 right-hand side of the drawings, Fig. 1, is slotted from its outer face inwardly and from its bottom to its top, and running through this slot and working up and down in the 80 same is the cheese-knife 15.

Near the center of and to the under face of the cover is secured a bracket 16, and hinged in this bracket is an arm 17. The lower end of this arm is perforated and by means of said perforation is pivoted to the 85 said knife 15, through a perforation 18, near its front end, thus enabling the knife to move backward and forward and in such movement up and down, and thus the cheese-cake is not cut by a direct downward movement, 90 but by a thrust and sliding movement, thus minimizing the danger of crumbling the cheese.

Situated on the inside of the case is another post 19 in line with the post 20, and secured to these posts 19 and 20 is a beam 21, about equidistant from the top and bottom of the case and vertically slotted back to and slightly beyond the central post 7, and the knife 15 works in this slot and also in the 100 slot of the post 20 and in the slot of the post 7.

In the front face of the cross-beam 21 is a depression 22, and in this depression works

a plate 23, and to this plate is secured a circular slotted bar 24 partaking of the circle of the cheese-cake, and adjustably secured to said bar 24 are measuring points or pointers 25, so that I can adjust the cheese by turning the rotary disk and measure off by means of these pointers any sized slice I may desire. These pointers may be so adjusted as to indicate one ounce, one-half pound, one 10 pound, and so on.

Running around the entire peripheries of the base and cover is a strip of sheet metal 26, and secured to the outer face of this strip of metal is a wall of gauze 26', extending 15 from the top to the bottom of the case half-way around, reaching from the two posts 11. Two circular frames 27, one at the bottom and the other at the top, reach half-way around the circle and are secured together by end 20 posts 28 and middle posts 29; and to the outer faces of these two circular frames is secured another gauze wall 30, which works against the inner face of the said strip of metal 26. This second last-described frame and gauze 25 wall is the door, and when I wish to put in the cake of cheese or take it out I slip the door half-way around to the rear, leaving the entire front of the case open. Extending from the bottom disk to the cover is another post 30 31, to more firmly unite the two parts 1 and 12.

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

1. A cheese case and knife, consisting of a 35 base; posts running up from said base; a top secured on said posts; bands running around the peripheries of said top and bottom and secured thereto; a one-half wall of gauze-wire, its top secured to the outer faces of said bands, 40 and its edges to opposite posts; two semicircular frames, one working on the base, and the other against the cover, posts connecting the frames; a wire-gauze wall secured at its top and bottom to said one-half circular 45 frames, its edges to opposite posts; said wall completing the entire wall of gauze; a bearing situated in the base near its center; a circular disk, having in its bottom, a countersunk opening, fitting over said bearing and 50 revolving on the same; casters secured on the said base; a line of pins extending from the center to the circumference on the top of said disk; two bearing-posts situated each near the circumference of the top and bottom, one 55 being vertically slotted; a beam secured to said bearing-posts, having a longitudinal vertical slot, running more than one-half its length, and an opening immediately over the opening in the bearing in the base; a vertically-slotted standard passing down through 60 an opening in the top and through the open-

ing in the last-mentioned beam, into the bearing situated on the base; a bearing depending from the top, and immediately over the slot of the last-mentioned beam; a knife working through the slot of one of the bearing-posts, through the longitudinal vertical slot in the bar, and through the slot in the central pin; an arm pivoted to the last-mentioned bearing and to the forward end of the 70 knife; a plate adjustably secured in a depression in the side of said longitudinally vertically slotted beam; a slotted circular bar secured to said plate; pointers adjustably secured to said bar, and a handle secured to 75 the outer end of said knife, substantially as shown and described and for the purposes set forth.

2. A cheese case and knife, consisting of a base 1; a bearing 3, sunk in the base, not far 80 from its center; a circular disk 4, journaled on said bearing, and having in its center a perforation 6; casters 9, secured in the upper face of said base; pins 10, secured to the upper face of said disk; a bearing-post 19, 85 situated near the periphery of said base; a slotted post 20, situated near the periphery of said base, and immediately opposite post 19; a beam 21, secured one end to the post 19, and the other to the slotted post 20; said 90 beam having in its center a vertical perforation, in one side a longitudinal depression 22, and in one end, and for more than one-half its length a longitudinal vertical slot 15; a vertically-slotted standard 7, passing down 95 through a perforation in the top 12, the perforation in the beam 21, its lower end journaled in the bearing 3; a cover 12, situated on the top of the said posts 19 and 20, and posts 11; posts 11, extending from the base 100 to the cover and opposite each other; a bearing 16, depending from the lower face of the cover; an arm 17, having one end pivoted in said bearing; a cheese-knife working through the slots in the post 20, the beam 21, and the 105 standard 7, and pivoted to said arm; an adjustable plate 23, working in the depression 22, of the beam 21, a circular slotted bar 24, secured to said plate; measuring-pointers 25, adjustably secured to said slotted bar; a wall 110 of wire-gauze, covering one side and one-half of said frame, the other half of said device being covered by a like wire-gauze on a sliding frame, constituting a door, substantially as shown and described and for the purposes 115 set forth.

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

MERIDITH W. MIRACLE.

Witnesses:

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L. A. SANDERS.