

(Model.)

M. W. CHAPEL & E. A. REYNOLDS.

CHEESE CUTTER.

No. 310,032.

Patented Dec. 30, 1884.

Fig. 1.

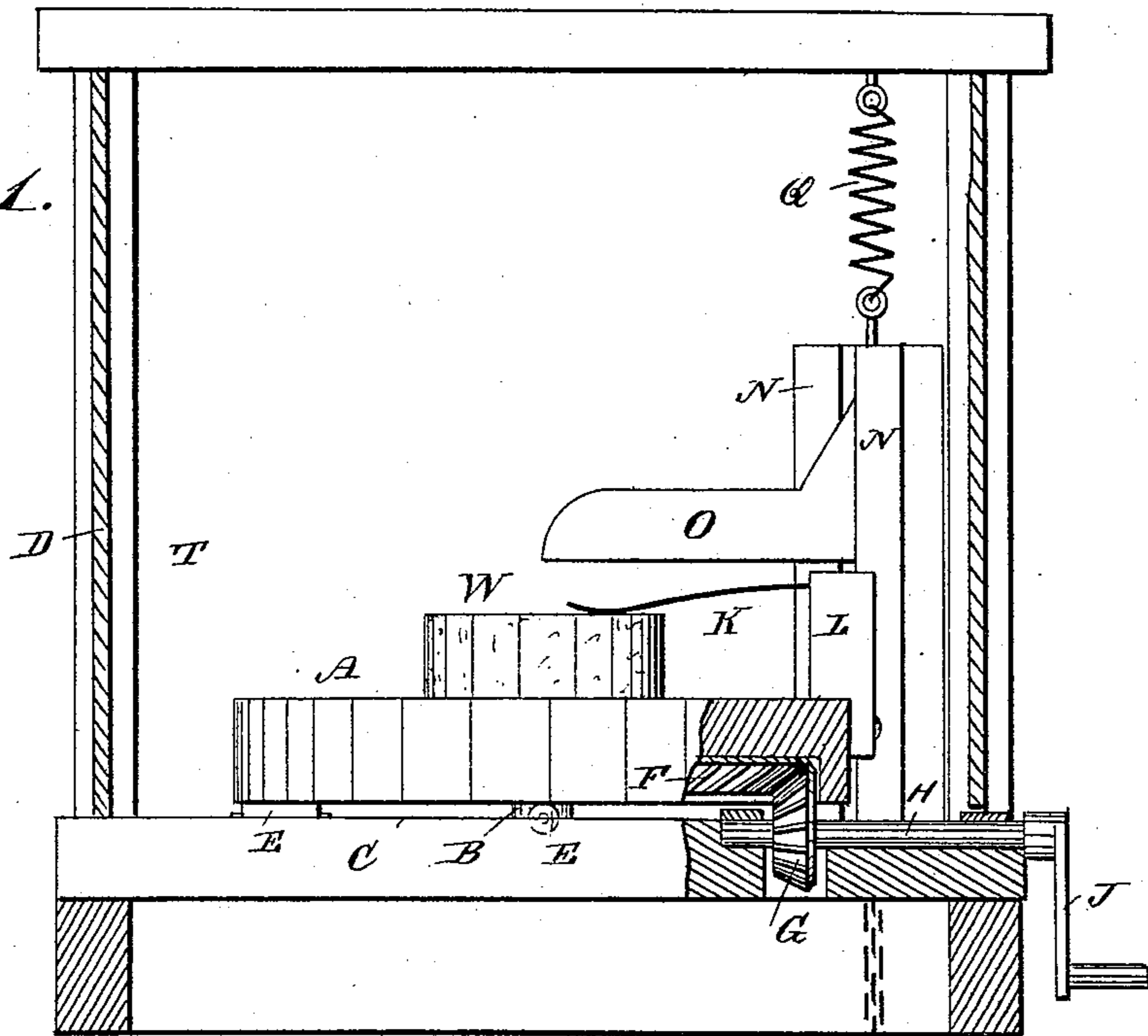
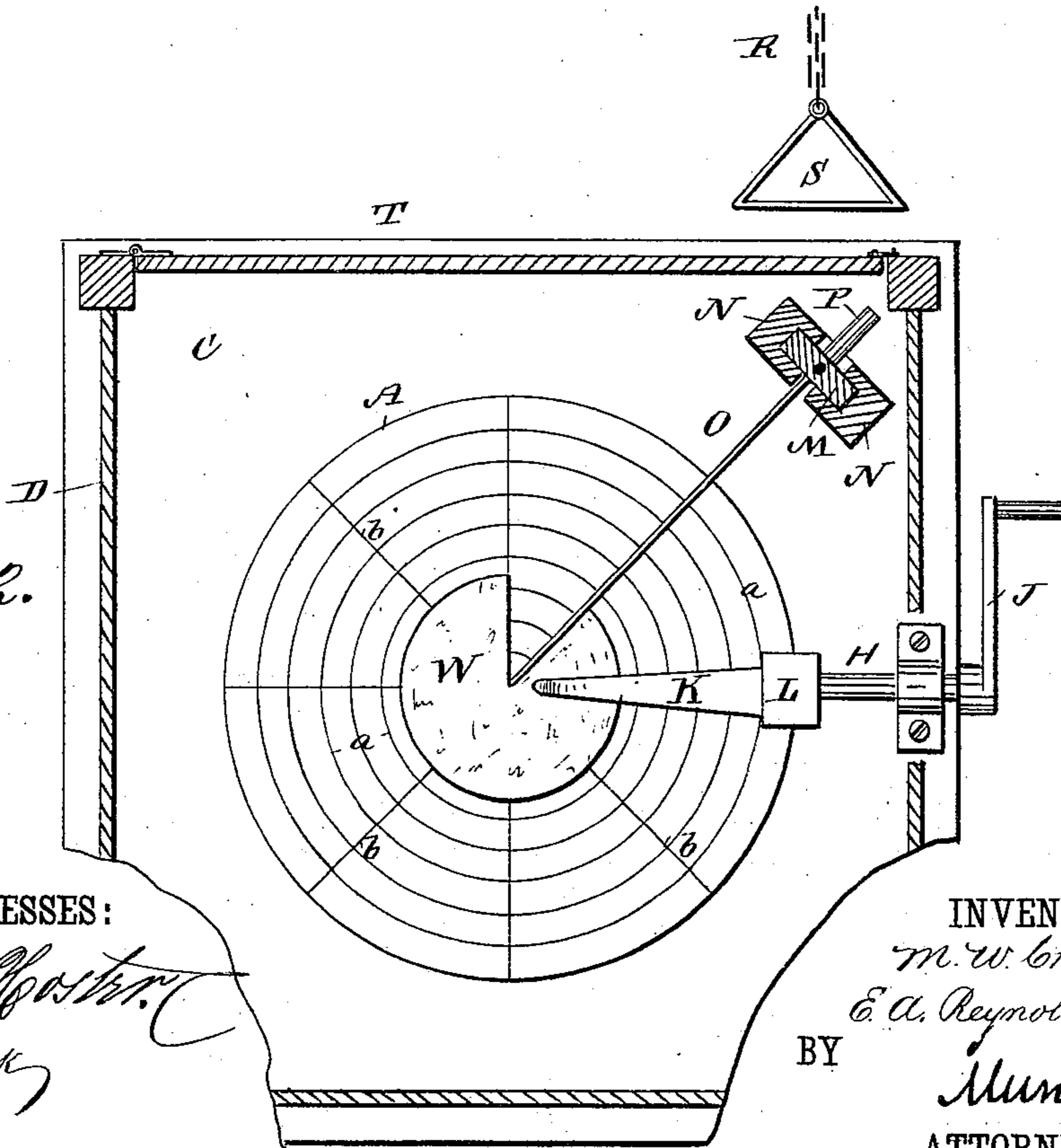


Fig. 2.



WITNESSES:

Geo. G. Hoston
C. Sedgwick

INVENTOR:

M. W. Chapel
E. A. Reynolds
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

MONROE W. CHAPEL AND EUGENE A. REYNOLDS, OF GRAND BLANC, MICH.

CHEESE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 310,032, dated December 30, 1884.

Application filed March 19, 1884. (Model.)

To all whom it may concern:

Be it known that we, MONROE W. CHAPEL and EUGENE A. REYNOLDS, of Grand Blanc, Genesee county, Michigan, have invented a new and Improved Cheese-Cutter, of which the following is a full, clear, and exact description.

The object of our invention is to provide a new and improved device for cutting sector-shaped pieces from a head of cheese rapidly and conveniently.

The invention consists of the combination of parts and their construction, substantially as hereinafter fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of our improved cheese-cutter, parts being broken out and parts being shown in face view; and Fig. 2 is a sectional plan view of the same.

A turn-table, A, is mounted to revolve on a pivot, B, on the base C of a box, D, the turn-table running on anti-friction rollers E in the upper surface of the base. On the under side of the turn-table a circular rack, F, is formed, with which a pinion, G, engages, mounted on the inner end of a horizontal shaft, H, journaled on the upper surface of the base, and provided in the outer end, outside of the box, with a crank, J, or other handle. The upper surface of the turn-table is subdivided by a series of equidistant circular lines, *a*, and a series of equidistant radial lines, *b*. A flat spring, K, secured on the upper end of a standard, L, fastened to the side of the turn-table, extends to near the middle of the turn-table. A block, M, is held to slide vertically between two grooved standards, N, on the base C, and from the said block M a knife, O, projects horizontally, the free end of the knife being over the center of the turn-table, and the said knife being arranged on a radial line of the turn-table. Preferably the standards N are arranged on a corner of the base. The block M is provided with a handle, P, projecting in the re-

verse direction of the knife. A spring, Q, is secured to the top of the block M and to the top of the box, and draws the block upward; or the spring can be arranged in any other suitable manner for forcing the block M upward. A chain or rope, R, secured to the bottom of the block M, extends through an aperture in the bottom of the block, and to the lower end of the chain a stirrup, S, is fastened. The box D is provided with a sliding or hinged door, T. The head of cheese W is placed centrally on the turn-table, and is held in place by the spring K, the downwardly and upwardly curved free end of which rests on the top of the head. The circular lines *a* facilitate the proper adjustment of the head of cheese W on the turn-table. By turning the turn-table by means of the crank, the cheese is adjusted according to the piece to be cut off, and then the knife O is forced down either by means of the foot placed in the stirrup S or by means of the handle P. The spring Q raises the knife as soon as a cut has been made. The cheese can be cut when the door F is closed, thus preventing flies from entering the box. The sides of the box are preferably made of glass. The box D is placed on a counter, and the stirrup S is below the counter.

In place of using the beveled cog-wheel and pinion, a ratchet and pawl may be used to turn the revolving cheese-table.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The cheese-cutter comprising the rotatable block A, carrying the standard L, provided with the flat spring K, with a downwardly and upwardly curved free end, and the upwardly-pressed knife with its inner end connected to a slide actuated by a chain and stirrup and disposed between guides secured upon a platform supporting the rotatable table, substantially as and for the purpose set forth.

MONROE W. CHAPEL.
EUGENE A. REYNOLDS.

Witnesses:

HARRIET W. DAVIS,
W. D. KELLY.