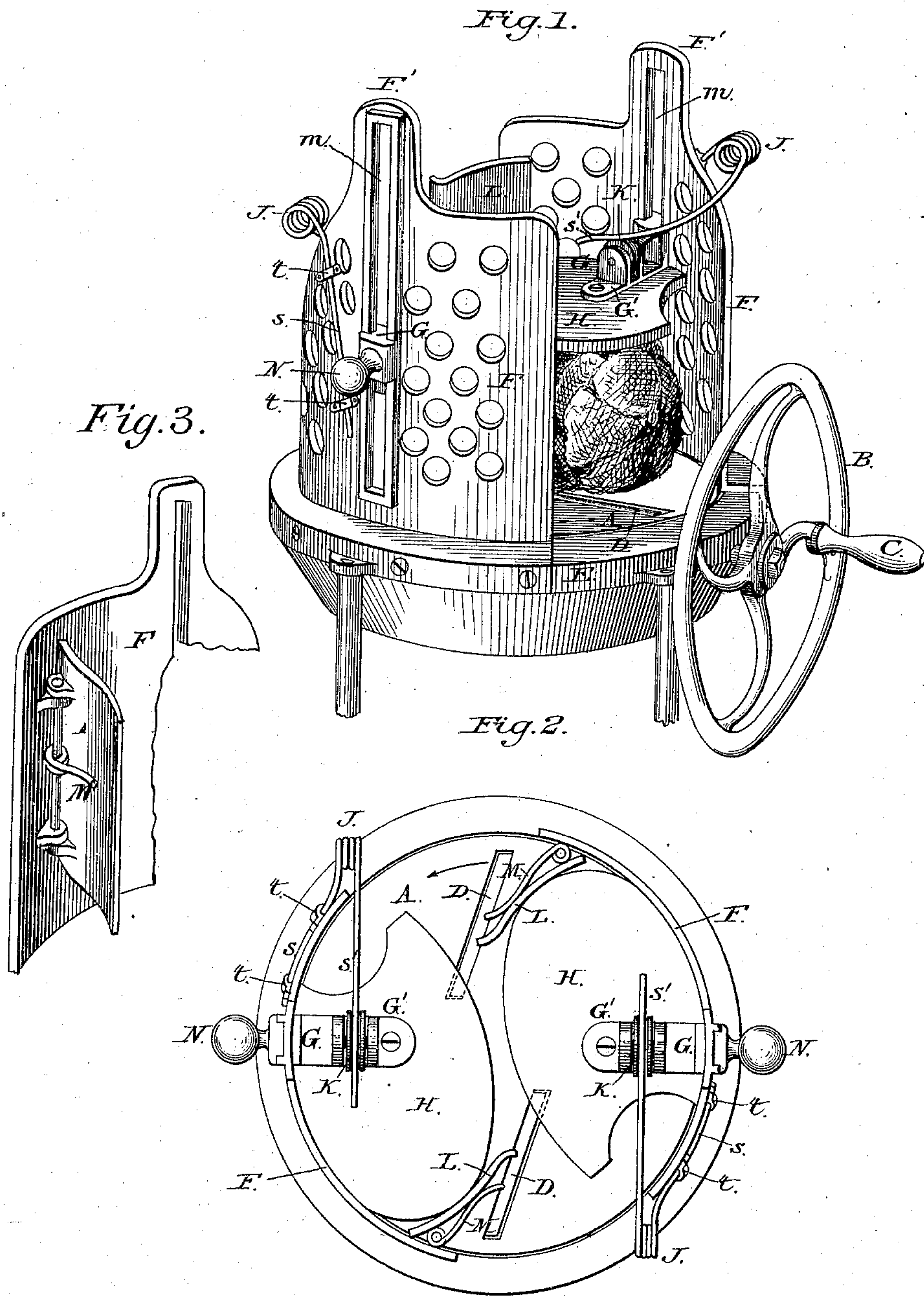


(No Model.)

G. GEYER.
CABBAGE CUTTING MACHINE.

No. 335,912.

Patented Feb. 9, 1886.



Attest:
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UNITED STATES PATENT OFFICE.

GEORGE GEYER, OF BROOKLYN, NEW YORK.

CABBAGE-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 335,912, dated February 9, 1886.

Application filed September 2, 1885. Serial No. 175,955. (No model.)

To all whom it may concern:

Be it known that I, GEORGE GEYER, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and
5 useful Improvement in Cabbage-Cutting Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked
10 thereon, making a part of this specification.

This invention relates to an improvement in cabbage-cutting machines; and its object is to supply a cheap and efficient device for rapidly slicing the cabbage into thin shreds.

15 In the accompanying drawings, Figure 1 is an elevation in perspective of my improved machine; Fig. 2, a top or plan view thereof, and Fig. 3 a detached view illustrating the hinged connection of the retaining-plates.

20 A is the rotating table of the machine, turning horizontally upon a vertical spindle driven by a crank and fly wheel, B, geared thereto in the customary manner. This table is armed with knives or radial blades D D, whose cutting-edges are fitted to project slightly above
25 its surface, the table being slotted to permit the thin slices cut by the knives to drop through into a receptacle placed under it, and it does not differ essentially either in its construction
30 or mounting from that described in my Letters Patent No. 272,132, of February 13, 1883. The table A is encircled by a fixed rim, E, which is extended downward to inclose and protect the gear-wheels and shafts actuating the table. To
35 this fixed rim and on opposite sides thereof are fitted and secured two wide standards, F F, which are curved transversely to conform to the arc of the circle formed by the rim, and are of a width to embrace each about one-fourth
40 (more or less) of the circumference of the table, and of a height somewhat greater than that to which it is desired to raise the followers under which the cabbages to be sliced are to be confined. These curved standards F F, so secured
45 to the table, are slotted vertically at diametrically-opposite points, and the slots *m m* are continued in an upward extension, F', which is formed at the upper end of each standard (see Fig. 1) to permit the full play required in the
50 movement of the followers without carrying the standards up in full to such a height. A

block, G, is fitted to slide freely in each slot *m*. Each block is constructed with an inwardly-projecting arm or plate, G', to the under side of which is secured a horizontal plate or fol-
55 lower, H. This follower H is curved on its inner side to correspond with and fit closely against the inner side of the standard, upon which it moves, and its outer edge is also curved to reduce its dimensions, and at the same
60 time adapt it to rest fairly upon the cabbage to be placed under it. A powerful spring, J, is made fast to the standard F to bear down upon the top of each follower H. This spring may be made of a wire coil terminating in two ends
65 or arms, *s s'*, one of which, *s*, is inserted between lugs *t t* on the outer face of the standard, while the inner arm, *s'*, is carried inside of the standard to rest upon the periphery of an anti-friction roller, K, mounted upon the arm G' of
70 the block G. A vertical retaining-plate, L, is hinged to the inner side of each standard to swing against the end or edge of the follower H, and is curved to partly conform thereto, and a strong spring, M, (see Figs. 2 and 3,) is
75 fitted back of said swinging plate L, to hold it with an elastic pressure against the follower. These retaining-plates L L serve to hold the cabbages in opposition to the cutting movement of the rotating blades, while the followers
80 H H operate to bear them down upon the blades.

The standards F F may be perforated, as illustrated in the drawings, Fig. 1, or with ornamental designs to reduce the weight of the machine without affecting its strength. 85

The blocks G G are provided with outwardly-extending handles N N, by which the followers H H may be elevated for the insertion of cabbage into the machine.

In use, the followers H being lifted by means
90 of the handles N, cabbages are placed under each upon the table A. The pressure of the springs J upon the followers will force the cabbages into contact with the table and its knives with a nearly constant pressure until
95 the cabbage is entirely cut away, the cutting being rapidly produced by the rotation of the table and its knives, effected by the revolution of the wheel B. As the knives bear forward
100 against the cabbage their pressure is met and resisted by the swinging plates L, which, however, will yield and prevent serious injury to

the knives if they meet with too great a resistance by reason of the presence of any foreign substance.

I claim as my invention—

- 5 1. The combination, with the fixed circular rim E, the horizontal table A, rotating within it, and knives D D, fitted to said table over corresponding slots therein, of the wide longitudinally-slotted vertical standards F F, secured at opposite points of said rim, provided
10 with blocks G G, sliding in the slots, and spring-actuated followers H H, projecting therefrom over the table, substantially in the manner and for the purpose herein set forth.

2. The combination, with the horizontal 15 spring-actuated follower H, of the vertical hinged spring-actuated retaining-plate L, swinging against the edge of the follower, substantially in the manner and for the purpose herein set forth. 20

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE GEYER.

Witnesses:

WM. S. GUERINEAU,
J. LEVY.