S. BARKER.

Nutmeg-Grater.

No. 200,423. Patented Feb. 19, 1878.

Fig. 1.

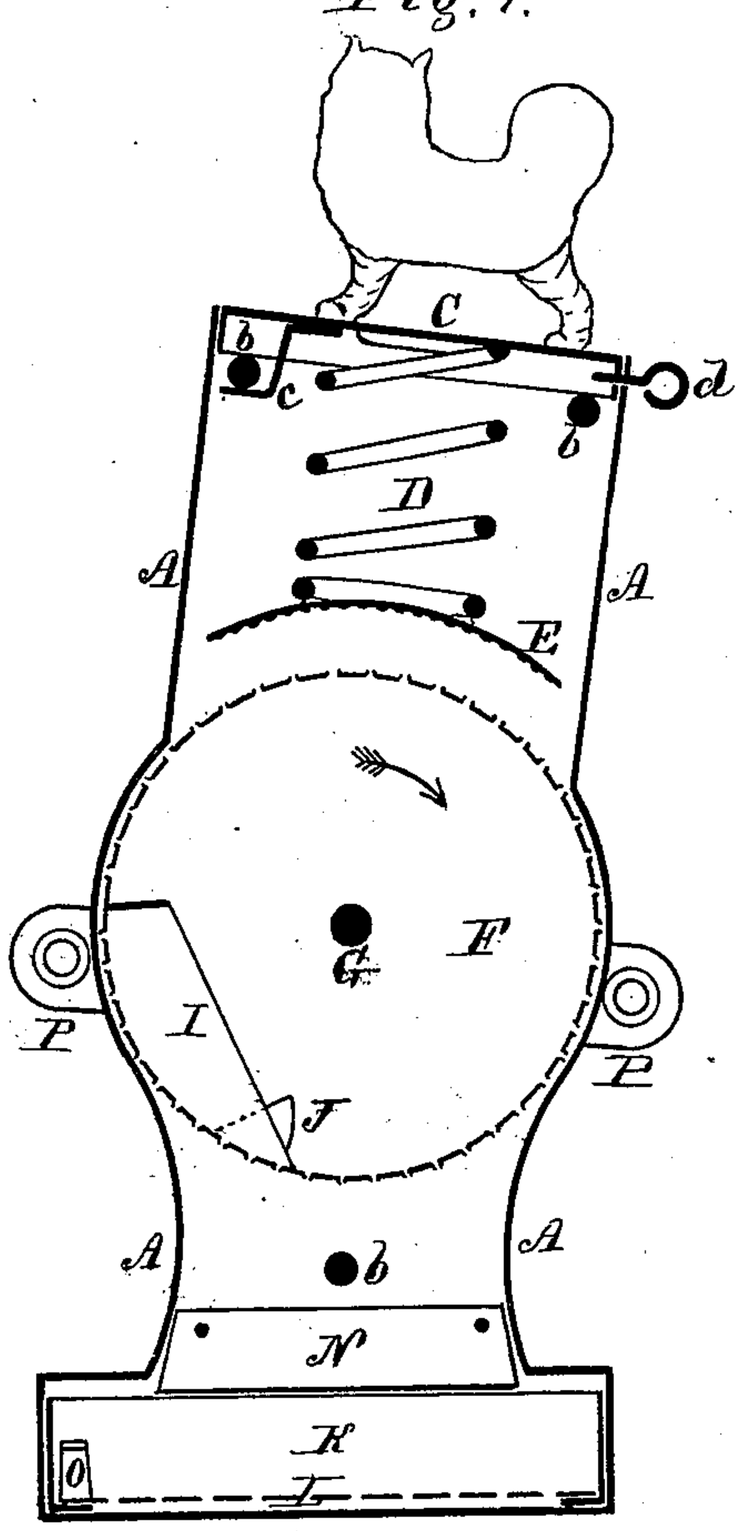
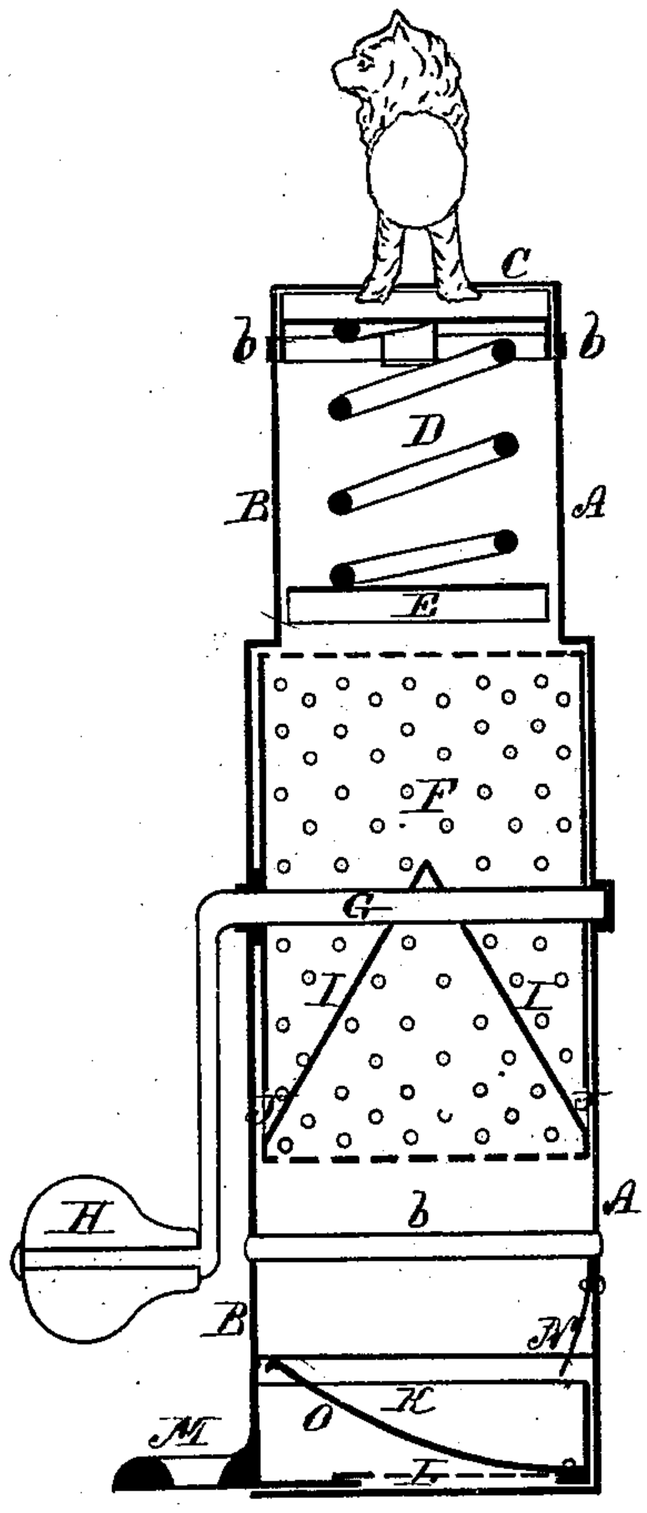


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

SILAS BARKER, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN NUTMEG-GRATERS.

Specification forming part of Letters Patent No. **200,423**, dated February 19, 1878; application filed October 19, 1877.

To all whom it may concern:

Be it known that I, SILAS BARKER, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Nutmeg-Graters; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My improvement relates to that class of graters in which the nutmeg is held and pressed against a revolving grating-surface; and it has for its object the production of a better and more easily-operated implement than is at present in use.

My invention consists in the construction and arrangement of the several parts, as will be hereinafter described.

In the accompanying drawing, Figure 1 shows a cross-section through the middle from side of my improved nutmeg-grater. Fig. 2 shows a cross-section from the front to the back through the middle.

In both the figures the parts beyond the section are shown.

A is the outside shell or case, which incloses the interior operating parts upon the back, bottom, and the two sides. B is a face-plate, which covers the front when the whole is in place, and which is held in position by the rivets or screws *b b b* passing through from front to back. C is the cover forming the top, which is held in place by means of a hook passing under one of the rivets, as shown at *c*, and by a locking-pin, *d*, inserted through the side at the opposite end. D is a spiral spring attached to the under side of the cover and to a curved plate, E, which rests upon the nutmegs for the purpose of pressing them down upon the grater. F is the grater, of a cylindrical form, which turns upon the axis G, having bearings in the outside case. Its circumference is made of punctured tin in the usual manner, and connected to the axis by disks at the ends. H is a handle and crank for turning the grater in the direction of the arrow.

For the purpose of removing from the interior of the cylindrieal grater that part of the powdered nutmeg which falls within it, I provide the two inclined strips I I, which are attached to the interior of the cylinder. They meet in the middle of the interior surface of the cylinder, and pass in a **V** form to the outer edges, where they end opposite openings in the sides or heads of the cylinder. (Shown at J J in the drawing.) The inclined sides of I conduct the powdered nutmeg to the sides, where it escapes through the openings J. K is a drawer in the bottom of the case for the purpose of catching the ground nutmeg for use. It is furnished with a perforated bottom, L, for usé as a sieve, through which the powder can be sifted onto whatever is desired. M is a handle for pulling out the drawer. N is a leaf attached to the back of the case for the purpose of preventing the grated powder from falling back of the drawer. O is a leaf-spring attached to the drawer and acting upward against the part of the case which extends over the ends of the drawer, for the purpose of holding it in place when the grater is in use. P P are ears by which the case can be screwed to a shelf or other place where it can be securely held.

The operation of my invention is as follows: The parts C D E are removed together by taking out the pin *d*. The nutmegs are then placed within the case, and the parts removed are replaced. The crank is then turned in the direction of the arrow until a sufficient quantity of the nutmeg is ground off, when the drawer can be removed and the nutmeg used in the usual manner, or it can be sifted through the sieve in the bottom of the drawer onto whatever desired.

What I claim as my invention is—

1. In a case for a nutmeg-grater, composed of two parts fastened together by rivets or screws, and arranged to inclose and form bearings for the grinding devices, the drawer-receptacle, made integral with the case, as described.

2. The inclined conductors I within the cylindrical grater, for discharging the contained powder, substantially as herein described.

3. The drawer K, having the perforated plate L secured in the bottom and located beneath the grating-cylinder, as set forth.

SILAS BARKER.

Witnesses:

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