

J. H. H. WILSON.
NUTMEG-GRATERS.

No. 194,942.

Patented Sept. 4, 1877.

Fig. 1.

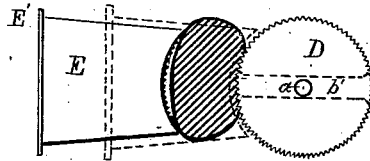
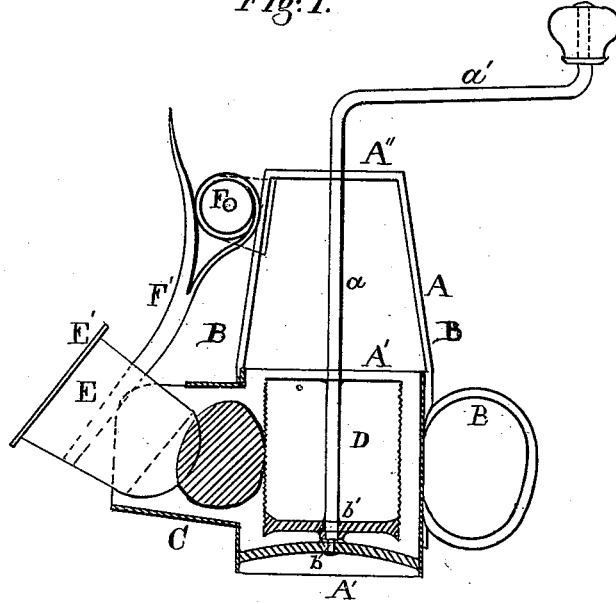


Fig. 2.

Witnesses

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JOHN H. H. WILSON, OF SAUGUS, MASSACHUSETTS.

IMPROVEMENT IN NUTMEG-GRATERS.

Specification forming part of Letters Patent No. **194,942**, dated September 4, 1877; application filed July 25, 1877.

To all whom it may concern:

Be it known that I, JOHN H. H. WILSON, resident of Saugus, in the county of Essex and State of Massachusetts, 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, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in nutmeg-graters; and consists in the manner of constructing the feeding device and spring by which the nutmeg is kept firmly against the grating-wheel. It also consists in the arrangement of the handle in reference to the feeding device, whereby the hand or fingers may be used to feed the nutmeg to the grater, either to assist the spring or to supply its place should it have become useless or weakened from any cause, all of which will be more fully hereinafter described.

In the drawing, Figure 1 represents a transverse vertical section, showing all the parts. Fig. 2 is a detail view of the feeding device.

A represents a frame of sheet metal, consisting of the cylindrical part A' and standards B' B', with a cross-brace, A". On one side of the cylindrical part is a handle, B, and immediately opposite is the feeding-tube C opening into the cylinder A'. Within the cylinder is the circular hollow grater D, supported on a vertical axle, a, which is curved into a handle, a', and which is sustained at the top in the cross-brace A", and is stepped at its bottom end in a cross-brace, b, (which is firmly secured to the sides of the cylinder A') by means of a screw, pivot-bolt, or rivet, so that the grater-shaft is well secured.

Within the grater is a cross-brace, b', having upon its lower edge a boss, which corresponds with a similar boss on the upper edge of the cross-brace b, so that these bosses constitute the bearing-surfaces of the machine.

E is a feeder, which is made to fit loosely in the feeding-tube C. The lower end of the feeder E is concaved and the surface punctured, so that the nutmeg may be within the

hollow, and firmly held therein. The curve of the feeder E is concentric with the periphery of the grinder, as seen in Fig. 2, and should it touch the same after the nutmeg has been ground up, the parts would soon be destroyed by friction, as is the case with some now in use.

The feeder is provided with a cap, E', which is of larger diameter than the feed-tube C, and, consequently, is so gaged that the feeder E follows up the nutmeg until it is entirely grated up, and yet the feeder cannot come in contact with the grater.

On one of the standards B' is secured a double strap, F, within which is pivoted a spring-lever, F'. On the end of lever F' is secured the feeder E.

It will be observed that the movement of the feeder is on a curve whose center of motion is on the bracket F, so that by springing the lever down the feeder can be thrown out of the tube for the easy insertion of the nutmeg.

To use the device, insert the third finger of the left hand through the handle B, with the palm of the hand toward you. Press the palm of the hand, with the thumb up, against the lever F' and the cap E'. The handle a' will then be above the hand, and ready for grinding.

It will be observed that the thumb can be pressed upon the extremity of lever F', and open the feed-tube for the insertion of a fresh nutmeg, and the palm be used to press the feeder should the spring be weak or broken.

I disclaim the use, separately, of the several parts employed in the grating device; but

What I do claim is—

As a new article of manufacture, the nutmeg-grater described, consisting of the body A, having mouth C, the grating-cylinder D, spring-pressed follower E, having concaved end, cap-plate E', lever F', and spring F, all as set forth, and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN H. H. WILSON.

Witnesses:

R. G. F. CANDAGE,
WM. DAVIS.