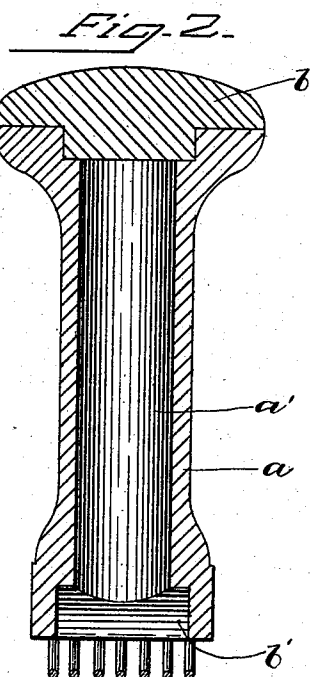
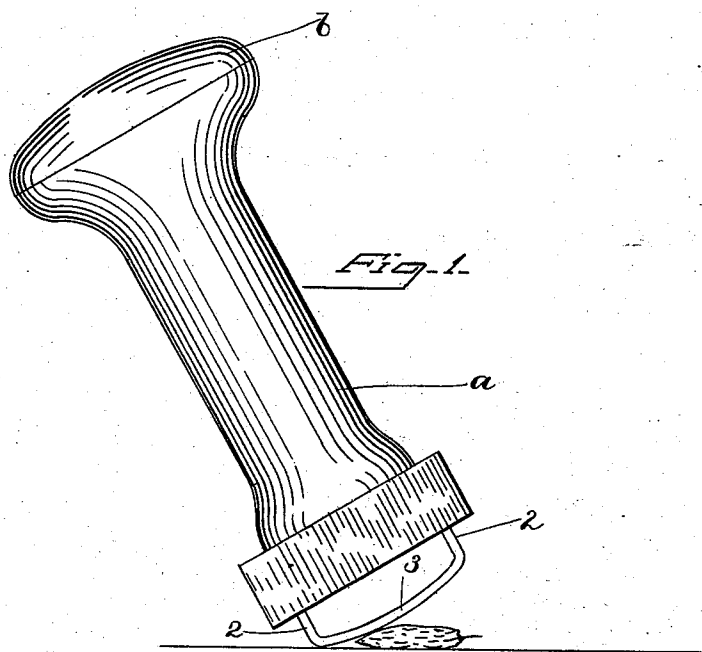


(No Model.)

W. S. SCALES.
RAISIN SEEDING DEVICE.

No. 506,340.

Patented Oct. 10, 1893.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM S. SCALES, OF EVERETT, ASSIGNOR OF TWO-THIRDS TO JOHN B. HUMPHREY AND JOSEPH H. CLARKE, OF SOMERVILLE, MASSACHUSETTS.

RAISIN-SEEDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 506,340, dated October 10, 1893.

Application filed December 19, 1892. Serial No. 455,610. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. SCALES, of Everett, county of Middlesex, State of Massachusetts, have invented an Improvement in Raisin-Seeding Devices, of which the following description, in connection with the accompanying drawings, is a specification, like letters and numerals on the drawings representing like parts.

This invention has for its object to improve the construction of raisin seeders.

In accordance with this invention a hand piece is provided with a recess at its lower end having an exit, and several parallel seed retaining wires are secured upon the lower end of said hand piece crossing the recess, said wires being bent at or near their ends substantially at right angles to present prongs which are driven into the hand piece a short distance to secure the wires in position, yet project sufficiently to elevate the central or acting portions or faces of the wires that they may yield laterally or spring; and said central acting portions or faces, or those portions between the prongs, are curved continuously from end to end in order that the raisin to be seeded may be acted upon from end to end by rocking the device on said central curved portions of the wires, the raisin lying upon a table or other flat surface.

Figure 1, shows in side elevation a device for seeding raisins embodying this invention; Fig. 2, a vertical section of the device shown in Fig. 1.

The hand piece *a*, of any suitable size and shape, is represented as having a hole *a'* through it longitudinally, the upper end of which is closed by a removable cap *b*, while the lower end communicates with a recess or chamber *b'*, formed therein. Several seed retaining wires are secured to the lower end of the device being arranged in parallelism and crossing the recess or chamber *b'*. These

wires are bent at or near their ends at substantially right angles to present prongs 2, 2, adapted to be driven into the lower end of the hand piece at opposite sides of the recess, a sufficient distance to securely hold the wires in place yet projecting sufficiently to elevate the central or acting portions of said wires as represented in Fig. 1, to enable them to spring or yield laterally slightly. The acting portions or faces 3, of the wires between the prongs 2, 2, are preferably curved continuously from end to end as shown. The raisin to be seeded, having been previously soaked in water to prevent sticking is placed upon a flat board or table as represented in Fig. 1, and with one end of the acting portions or faces 3, resting upon the table at one end of the raisin, the hand piece *a* is moved in the arc of a circle, while the said curved portions 3, act upon the raisin from end to end, compressing it and forcing the seeds between the wires, after which the crushed raisin which clings to the wires is removed, the seeds being retained. These seeds may be removed from the chamber by removing the cap *b*, and turning the device up side down.

I claim—

The raisin seeding device herein described consisting of the tubular hand piece *a*, having a recess *b'* in open communication therewith, and provided with parallel curved yielding seed retaining wires at its lower end, and at its upper end with a removable cap, substantially as described.

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

WILLIAM S. SCALES.

Witnesses:

BERNICE J. NOYES,
LUCY F. GRAVES.