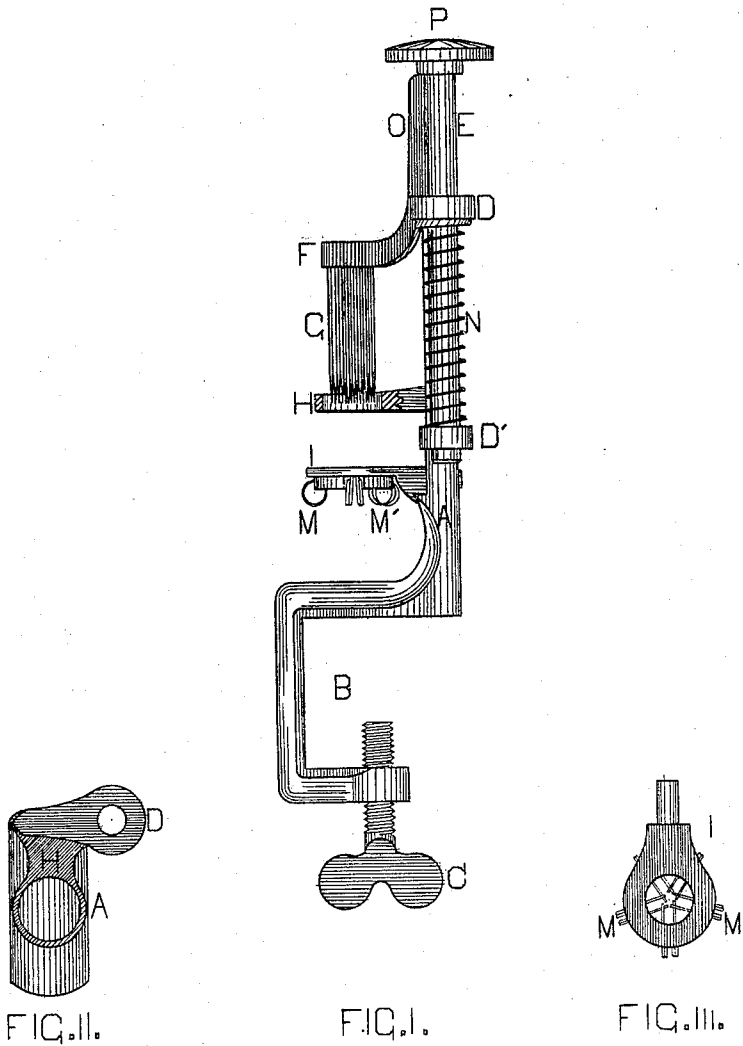


H. G. FISKE.
RAISIN SEEDER.

No. 106,350.

Patented Aug. 16, 1870.



WITNESSES:

L. M. Chubb
Sidney Sanders.

INVENTOR.

Henry G. Fiske

United States Patent Office.

HENRY G. FISKE, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR TO GEORGE L. TAYLOR AND DWIGHT HOLLAND, OF SAME PLACE.

Letters Patent No. 106,350, dated August 16, 1870.

IMPROVEMENT IN RAISIN-SEEDER.

The Schedule referred to in these Letters Patent and making part of the same.

I, HENRY G. FISKE, of Springfield, Hampden county, Massachusetts, have invented an Improved Raisin-Seeder, of which the following is a practical description, reference being had to the accompanying drawing making a part of this specification, wherein—

Figure 1 is a sectional side elevation of my invention;

Figure 2, a plan of the frame, all other parts being detached therefrom; and

Figure 3, a plan of the bed, the same being detached from the frame, and showing the elastic clearers.

My invention consists—

First, in combining a gang of needles or pointed bodies with a set of elastic clearers, the latter being so arranged and connected with the bed that, if a raisin be placed on such bed, the sharp ends of the needles may, by a single motion, be forced through such raisin, carrying the seeds therefrom, on their points, below the clearers, to be thence removed by such clearers on withdrawing the needles; and

Second, in the particular device, herein set forth, for effecting the combination of such needles and clearers, the object thereof being to provide simple and efficient means for removing the seeds from raisins or other similar fruit.

In the accompanying drawing—

The part marked A represents the frame of my device, provided at the base with a recess, B, and thumb-screw, C, for attaching the same to a table or other relatively stationary body.

D D' are eyes, through which plays the spindle E. Projecting from such spindle is a head, F, provided with a gang of closely-arranged needles, G.

H is a perforated arm of frame A, and serves as a shield to the needle-points when at rest, and as a clearer to remove the raisin from the needles at their backward stroke.

I is the bed, perforated for the passage of the needles,

and attached to the frame A a little below the arm H.

M M' are the elastic clearers, formed of small coiled wires, and so attached to the bed I as to leave the ends of such wires projecting convergently across the perforation of such bed.

N is a spiral spring, surrounding spindle E, and serving to raise the same as soon as depressing power is removed therefrom.

O is a flange projecting from spindle E, and prevents such spindle's turning in the eyes D D'.

P is the knob on top of spindle E, to which the band is applied to depress the needles.

The device is operated by placing a raisin on the bed I, and depressing the needles G once or more, as may be found necessary for completely removing the seeds.

It is obvious that the elastic clearers need not be of the precise form or arrangement herein pointed out, but that they are the same in principle, and equally of my invention, so long as they allow the passage of a gang of needles carrying the raisin-seeds on their points, to be thence removed on withdrawing the needles; and, further, that any convenient spring may be used instead of spiral N; that spindle E may be kept from turning by making the same square or otherwise angular; and that, by lengthening frame A, the needles G may be brought directly under and in line with spindle E.

Thus, having described my improved raisin-seeder,

What I claim as my invention is—

1. The gang of needles G, in combination with the elastic clearers M M', substantially as specified.
2. The frame A, spindle E, needles G, bed I, clearers M M', and spring N, all arranged, combined, and operating substantially as herein specified.

HENRY G. FISKE.

Witnesses:

SIDNEY SANDERS,
E. H. EWELL.