

J. M. MESCHUTT.

Improvement in Apple-Corers and Cutters.

No. 129,289.

Patented July 16, 1872.

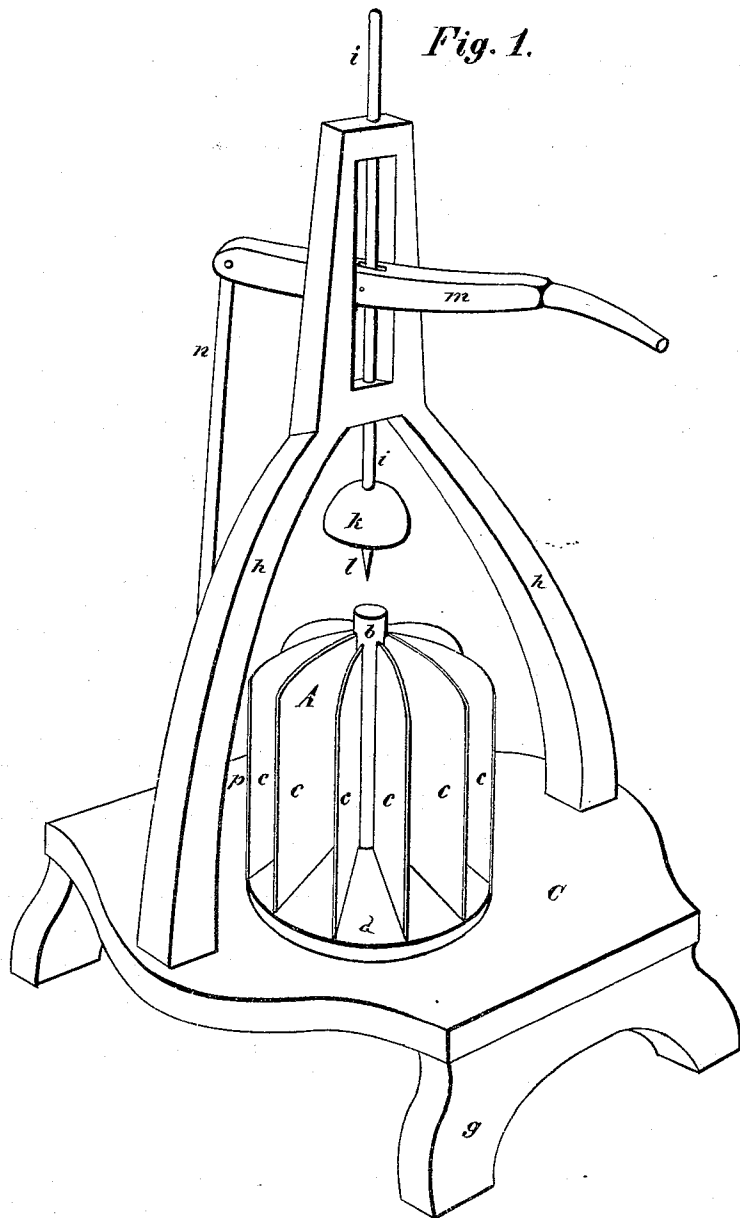


Fig. 2.

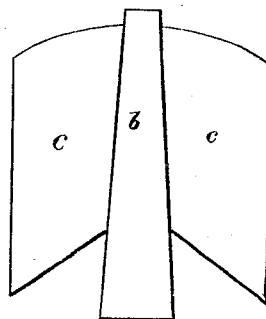
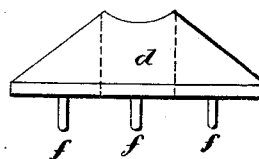


Fig. 3.



Witnesses:

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JAMES M. MESCHUTT, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO DAVID C. MESCHUTT, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN APPLE CORERS AND CUTTERS.

Specification forming part of Letters Patent No. 129,289, dated July 16, 1872.

Specification describing certain Improvements in Machines for Cutting and Coring Apples and other Fruits, invented by JAMES M. MESCHUTT, of Newark, county of Essex, in the State of New Jersey.

My invention consists of a metallic tube in a tapering form, with any required number of thin plates attached longitudinally and at regular intervals on the outer surface for the purpose of coring apples or other similar fruits, and at the same time dividing them into any number of parts required, reference being had to the accompanying drawing and to the letters of reference thereon.

Figure 1 is a representation of the machine in form and ready for use. Fig. 2 is a section of the cutter A. Fig. 3 is the profile of the conical base *d* of the cutter A. The cutter A is formed by joining the parts *b* and *c* with the base *d*, (see Figs. 2 and 3,) as shown by the dotted lines in Fig. 3, the lower edges of the plates *c* being let into shallow grooves on the upper and declining surface of the base *d*. A part of the tube *b*, still projecting below the lower surface of the base *d*, is notched and riveted up against on the bottom side of the base *d*, all the parts of the cutter A being thus firmly secured together. I construct the platform C of wood or other suitable material and raise it upon feet or legs *g*, as represented in Fig. 1. The bearing-frame *h* I set up in its place over the center of the platform C, as shown in Fig. 1, insert the compressor-rod *i*, in connection with the lever *m* and the fulcrum-rod *n*, attached by a hook formed on the lower end, to the further extremity of the platform C at *p*. The lever *m* is connected with the compressor-rod *i*, in a mortise through the lever, by a pin or otherwise, so as to work freely, for the purpose intended. A point is formed about three-quarters of an inch long on the compressor-rod *i*, projecting below the compressor *k* to steady the apple when operating the machine, as shown at *l* in Fig. 1, the compressor *k* being secured in its place by a screw cut on the compressor-rod *i*. The compressor *k* is formed of wood or other suitable material,

semi-spherical in form, about two inches across, and has a hole sunk in the center to receive that part of the tube *b* projecting above the plates *c* in the cutter A, and also an eye-hole, *o*, to facilitate the setting of the point *l* into the eye of the apple. I then set the cutter A in the center of the platform C by means of dowels, as shown at *f* in Fig. 3, with the orifice of the tube *b* precisely under the point *l*, and, having filed the upper end of the tube *b* and the edges of the plates *c* to an edge, the machine is ready for use.

To use my invention I peel the apples in the ordinary manner when so required. I raise the compressor *k* by means of the lever *m* and place the apple properly on the center of the cutter A, fix the point *l* so as to pierce the center of the core, and press down on the lever *m* until the compressor *k* is in contact with the cutter A. I then raise the lever as before, put on another apple, and, repeating the operation, the former apple is disengaged from the machine and the core is forced down through the tube, separate from the other parts of the fruit.

Several of the cutters go with each machine, as may be required, with from three to twelve or more plates in each cutter for the purpose of cutting the fruit into different numbers of pieces.

I claim—

The combination and arrangement of the cutter A when consisting of the tapering tubular corer *b*, the conical base *d* supporting the projecting plates *c c c c*, and furnished with the dowels *f f f* corresponding with the holes or apertures in the center of the platform C, the compressor *k*, the compressor-rod *i*, the lever *m*, the fulcrum-rod *n*, the bearing-frame *h*, and platform C, all constructed substantially as described, and for the purposes herein specified.

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Witnesses:

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