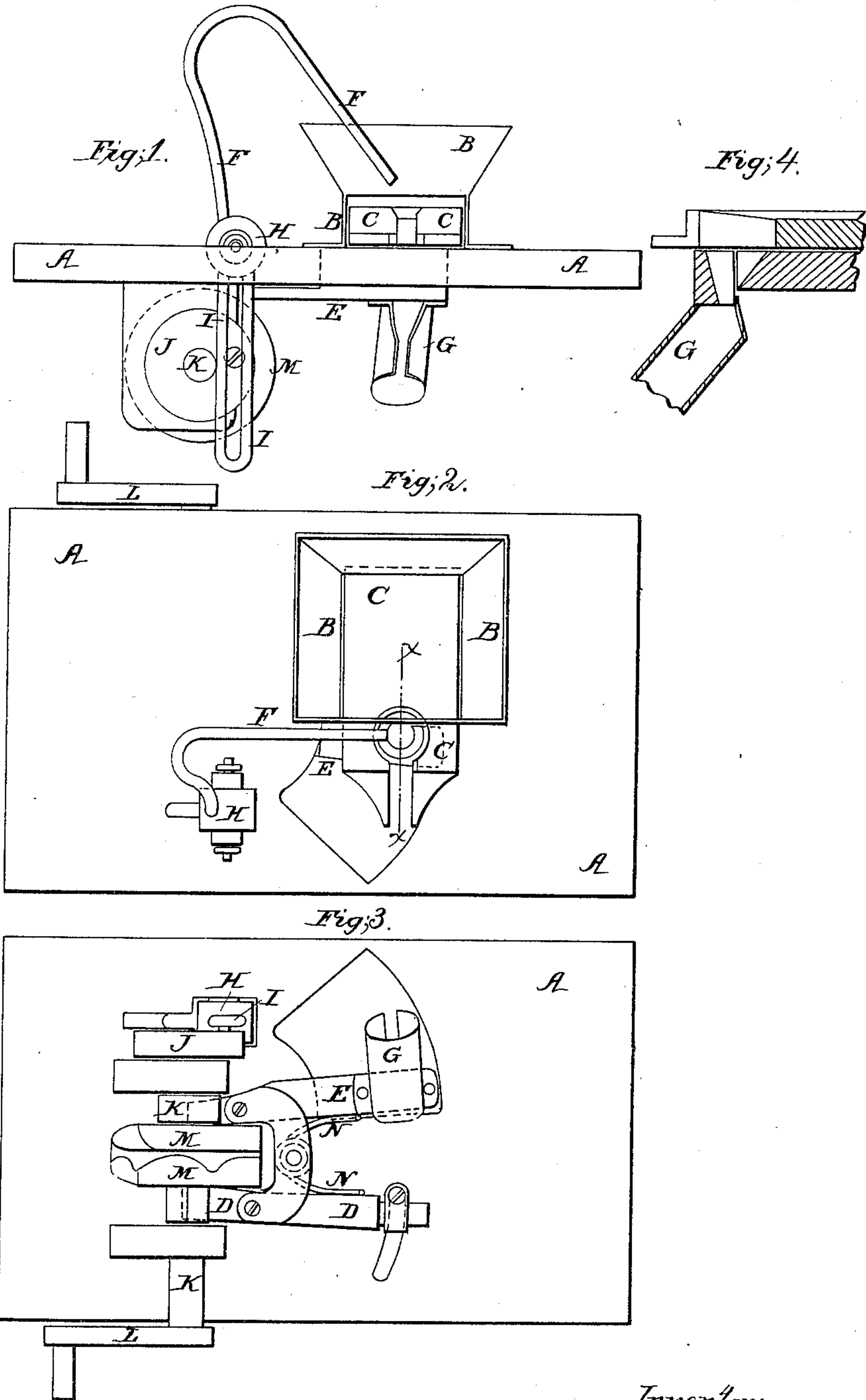


W. C. Barr,

Cherry Pitter.

No. 80,349.

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WESLEY C. BARR, OF MACON CITY, MISSOURI.

Letters Patent No. 86,349, dated February 2, 1869.

IMPROVED CHERRY-PITTER.

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

To all whom it may concern:

Be it known that I, WESLEY C. BARR, of Macon City, in the county of Macon, and State of Missouri, have invented a new and improved Self-Feeding Cherry-Pitter; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a side view of my improved machine.

Figure 2 is a top view of the same.

Figure 3 is a bottom view of the same.

Figure 4 is a detail sectional view of the same, taken through the line *x x*, fig. 2.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved self-feeding cherry-pitter, which shall be simple in construction and reliable in use, doing its work quickly and well; and

It consists in the construction and combination of the various parts of the machine, as hereinafter more fully described.

A is the platform of the machine, which is designed to be attached to a table, or to a board, to be placed upon a chair, and held by the operator sitting upon it.

B is the hopper, which receives the fruit to be pitted, and which is secured to the platform A.

C is the bottom of the hopper, which slides back and forth in recesses in the lower part of the hopper B, as it is operated by the lever D.

In the forward part of the bottom, C, is formed a hole, of such a size as to receive a single cherry, which, when in said hole, rests upon the platform A, as shown in fig. 4.

As the bottom, C, slides forward, it carries the cherry with it, until the said cherry drops into a recess formed for it in the side of the opening through said platform A, and in the side of the lever E, in which position it is pitted by the descent of the pitting-arm F.

As the pit is forced out by the arm F, it falls into the spout G, attached to the lever E, which lever and spout then move away, leaving the body of the cherry upon the end of the said pitting-arm F.

As the arm F rises, it passes up through a slot in the forward end of the bottom, C, or in or between two arms projecting from the forward end of the said bottom, and by which the body of the cherry is forced from the arm F, and falls through the opening in the

platform A into a receptacle prepared to receive it, and at the same time the bottom, C, moves back to receive another cherry.

The pitting-arm F is bent, as shown in figs. 1 and 2, and its other or rear end is attached to a short shaft, H, which works in bearings in the platform A, and to which is attached the slotted arm I, in the slot of which works the crank-pin of the crank-wheel J.

The crank-wheel J is attached to the end of the shaft K, which works in bearings attached to the lower side of the platform A, and to the other end of which is attached the crank L, by means of which the machine is operated.

To the middle part of the shaft K is attached a wheel, M, the sides of which have inclines or cams formed upon them to operate the levers D and E, which said levers are pivoted to the under side of the platform A, in such positions that their inner ends may rest against the sides of the cam-wheel M, so as to be operated by the cams or inclines of said wheel.

It should be observed that the cam or incline that operates the lever D, connected with the sliding bottom C, is made somewhat irregular, so that it may agitate the bottom, C, as it is moved back, to insure the passage of a cherry into the hole in said bottom, C.

As the levers D and E are released from the cams of the wheel M, they are forced back into their former positions by the action of the spring or springs N, attached to the under side of the platform A, in such position as to press against the inner sides of the said levers. The spring or springs N at the same time serve to hold the ends of the levers D and E close against the cam-wheel M.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

An improved self-feeding cherry-pitter, formed by the combination of the platform A, hopper B, sliding bottom C, levers D and E, spring or springs N, spout G, cam-wheel M, shaft K, crank-wheel J, slotted arm I, short shaft H, and pitting-arm F, with each other, substantially as herein shown and described, said parts being constructed and operating as and for the purposes set forth.

WESLEY C. BARR.

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