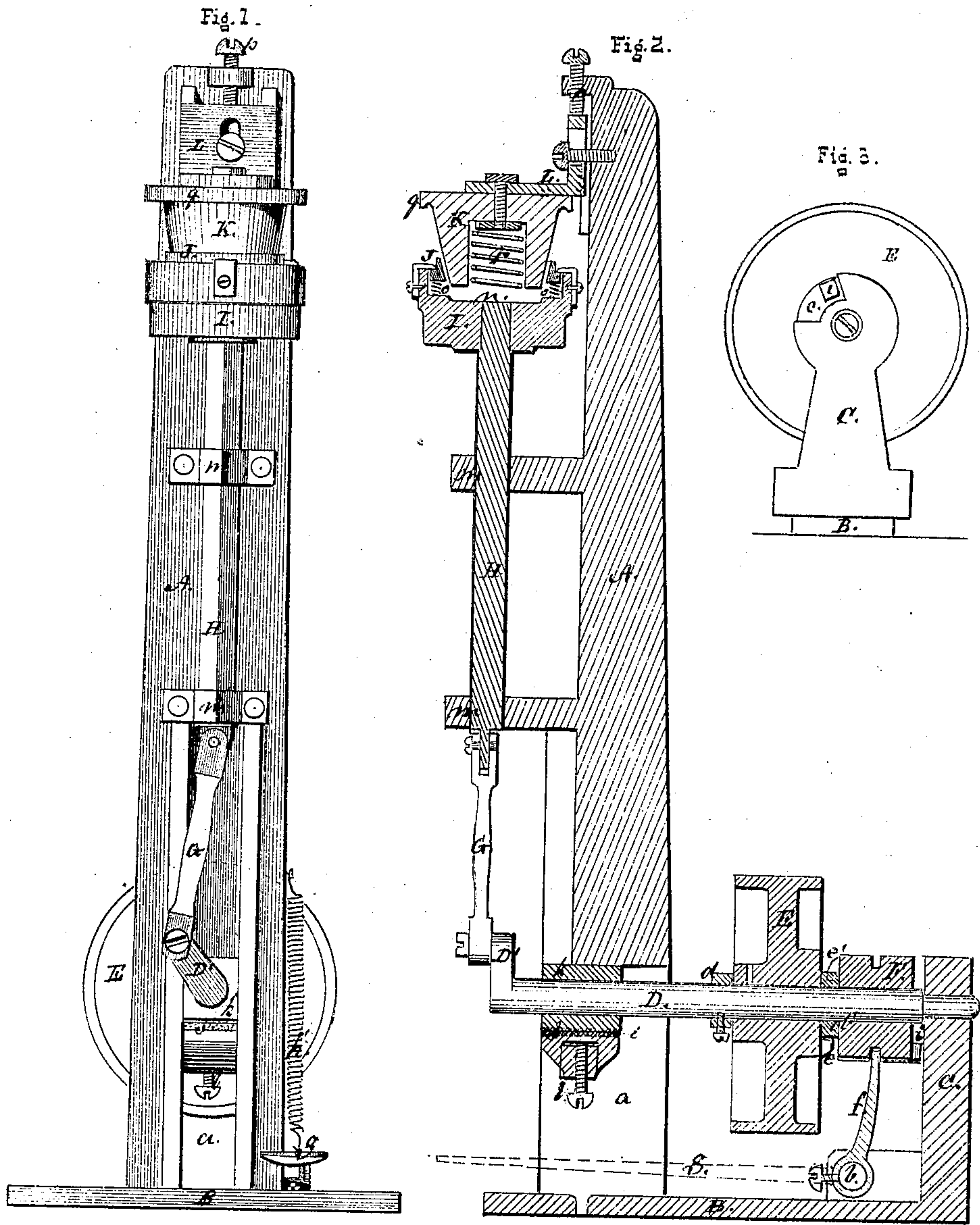


B. D. Whitney,

Basket Machine.

No. 103,532.

Patented May 24, 1870.



Witnesses.

Chas. H. Coole  
J. B. Woodruff

Inventor.

Baxter D. Whitney



# United States Patent Office.

BAXTER D. WHITNEY, OF WINCHENDON, MASSACHUSETTS.

Letters Patent No. 103,532, dated May 24, 1870.

## IMPROVEMENT IN MACHINES FOR BOTTOMING FRUIT-BASKETS.

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, BAXTER D. WHITNEY, of Winchendon, in the county of Worcester and State of Massachusetts, have invented a certain new and useful Machine for Bottoming Fruit-Baskets; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 represents a front elevation of the machine.

Figure 2 shows a sectional side view elevation, centrally through the operating mechanism and frame.

Figure 3 is the rear end view of the part for the crank-shaft journal, showing the notch or recess, to stop the operation of the machine.

The object of my invention is to greatly facilitate the manufacture of fruit-baskets, by attaching and securing the bottom to the body firmly in the most perfect and expeditious manner; and

It consists of a vertical frame or standard, to which the operating parts are attached, near the top of which is secured an adjustable conical form, corresponding to the inside of the basket.

Inside of the cone is placed a spring, which operates to deliver the basket, when bottomed.

The standard, being supported on a base of such form and dimensions as to form the frame and bearings for a crank-shaft to run in, which is provided with a driving-pulley, a clutch, rock-shaft, foot-lever, and spring, by which the machine is operated.

The journal-box at the crank end of the shaft is fitted in an opening through the lower portion of the standard, and rests upon a spring, which can be adjusted by a set-screw underneath.

Attached to the crank is a pitman, which gives motion to a vertical rod or slide, which moves in close fitting boxes on the front of the standard.

On the top end of the vertical slide is secured a disk, which carries a yielding ring, supported by spiral or other springs, which, when brought up, surround the cone above it.

### A General Description by Letters of Reference.

The vertical standard A and the base B may be cast together in one piece, leaving an elongated vertical opening, *h*, through the lower portion of the standard from the front face.

On the rear end of the base B, corresponding with the opening *a*, is secured an upright post, C, which forms the journal-box for the rear end of the crank-shaft D, to run in, and also the bearings for the rock-shaft *b*.

On the crank-shaft D, about midway between the standard A and the rear post C, is placed the driving-pulley E, which runs loose on the shaft D, and is held in position by the collars *d d'*, the pulley having a projection, *e*, on the rear face, corresponding with a reverse pin or projection, *e'*, on the face of the sliding clutch F, which are brought in contact by the action of the arm *f*, on the rock-shaft *b* and foot-lever *g*, and thrown out of gear by the spring *h*, when the hub or projection *i*, on the rear face of the clutch F, comes to the recess *c* in the top of the post C.

The journal-box *k*, in which the crank end of the shaft D runs, is fitted in the opening *a*, and has its support in a rubber spring, *j*, or other yielding substance, and is adjusted by a set-screw, *l*, underneath. The use of the spring *j* is to compensate for any little irregularities in the parts forming the basket.

To the crank D' is attached the pitman G, to connect it with the vertical slide H, which moves in close-fitting boxes *m m*, on the face of the standard A, they projecting out from the face a sufficient distance to give the required room for the disk I, which is secured to the top of the slide H.

The disk has a sunken recess, *n*, to receive the bottom of the fruit-basket.

Above and surrounding the recess is a conical ring, J, which is supported on spiral or other suitable springs, *o o o*, so that it will yield to the action of the machine, when brought in contact with the basket on the conical form K, which is secured directly above it to an adjustable arm-support, L, which is made movable on the face of the top of the standard A, so as to be accurately adjusted by a set-screw, *p*, in the top.

The conical form K is made exactly the size and the shape of the inside of the body or sides of the basket, with a projecting flange, *q*, grooved on the under side, to fit the top edge or rim, there being a recess or cavity, *r*, in it underneath, in which is placed a helical spring, or other yielding substance, which will exert a sufficient force to liberate the basket, after the bottom has been put on.

Another method of delivering the basket from the cone or form is to have spring hooks attached to the disk, to catch on the top of the basket, so that when the disk descends, it carries the basket with it.

The function of the ring J is to press the body of the basket closely around the form K, which brings the lower edge to the proper position to enter the groove in the bottom, the motion of the ring being

arrested by coming in contact with the basket, the springs *o o o* yielding, to admit of the continued motion of the disk I, which carries the bottom to its place, and firmly locks it to the body.

The bottoms may be put on without the ring yielding, as specified, by having an independent slide, to carry the ring forward until it clamps the body closely to the form K, and then stop, while the disk attached to the slide H continues to carry the bottom forward, and locks it to the body.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The conical form K, the ring J, disk I, operating in the manner and for the purposes herein described.

2. The standard A, as constructed with all of the mechanism attached, for bottoming fruit-baskets, substantially as set forth.

BAXTER D. WHITNEY.

Witnesses:

CHAS. H. POOLE,  
J. B. WOODRUFF.