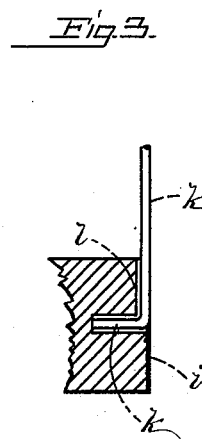
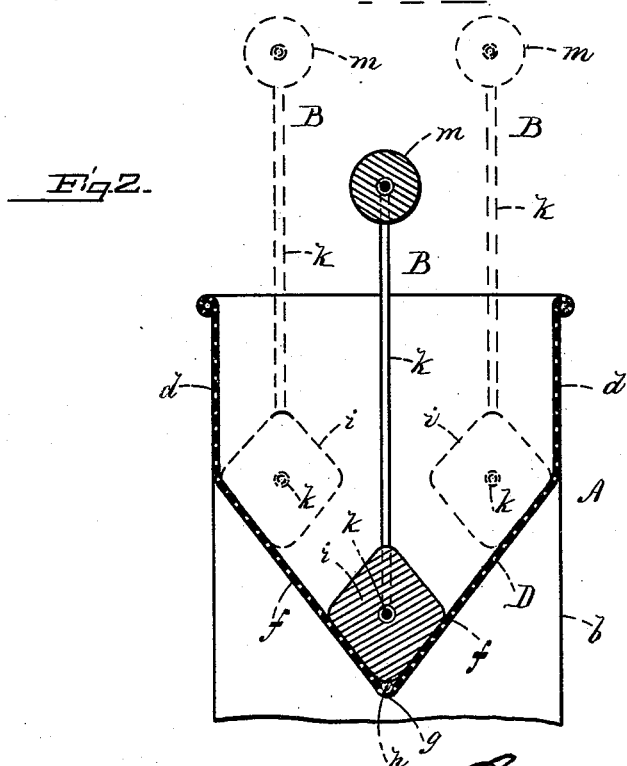
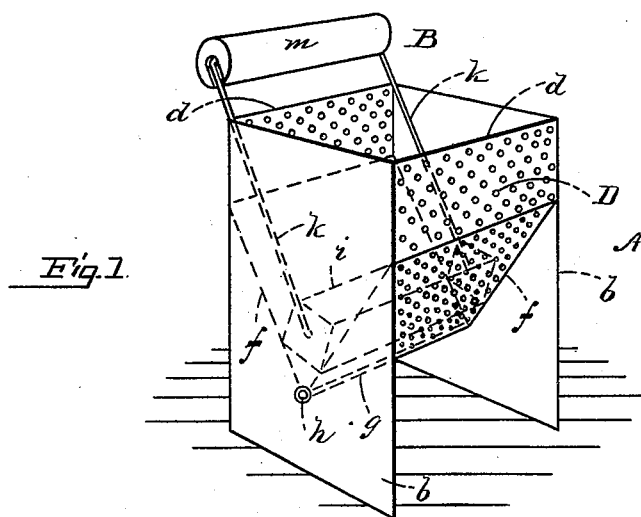


(No Model.)

G. K. KNOWLTON.  
VEGETABLE COLANDER OR SIFTER.

No. 419,457.

Patented Jan. 14, 1890.



WITNESSES=  
M. J. *W. J. [unclear]*  
N. *N. [unclear]*

INVENTOR=  
*George K. Knowlton,*  
PER *C. A. Shawcross,*  
ATTYS.

# UNITED STATES PATENT OFFICE.

GEORGE K. KNOWLTON, OF HAMILTON, MASSACHUSETTS.

## VEGETABLE COLANDER OR SIFTER.

SPECIFICATION forming part of Letters Patent No. 419,457, dated January 14, 1890.

Application filed May 4, 1889. Serial No. 309,637. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE K. KNOWLTON, of Hamilton, in the county of Essex, State of Massachusetts, have invented a certain new and useful Improvement in Vegetable Colanders or Sifters, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view showing my improved colander in position for use; Fig. 2, a vertical transverse section of the same, and Fig. 3 a sectional view illustrating details of construction.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of colanders which are employed in mashing or disintegrating vegetables after cooking; and it consists in certain novel features, as hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the colander, and B the plunger. The colander consists of two rectangular end pieces or standards *b*, which are connected by a V-shaped cup or receptacle D, preferably constructed of a single foraminous sheet of metal bent so that it has vertical side walls *d*, the walls *f* of its bottom converging to an edge *g*. A horizontal stiffening-rod *h* is secured in the standard *b*, and is disposed within the lower edge *g* of the cup or colander proper D. The plunger B consists of a wooden bar *i*, rectangular in cross-section, in each end of which is secured a metallic rod *k*, the ends of said rods being bent at right angles to the body (see Fig. 3) and driven centrally into the end of the bar. A vertical groove *l* is formed in each end of the bar *i*, into which the body

of the wires enter, whereby said bar is prevented from rotating. A handle *m* is secured to the upper ends of the rods *k* in like manner.

In the use of my improvement the vegetables to be mashed or strained are deposited in the cup or colander proper D. The plunger B is then employed to force the mass through the perforations of the colander, the rectangular shape of its bar *i* enabling it to slide flatly against the walls thereof, as illustrated by the dotted lines in Fig. 2. The rod *h* serves to strengthen the bottom of the colander and prevents the plunger-bar from forcing its perforated walls *f* apart when in use. By securing the handle *m* and bar *i* to the rods *k* in the manner described they are prevented from revolving thereon, and the plunger is thus much more readily held in contact with the walls of the cup. The plunger being entirely disconnected from the colander, and no inwardly-projecting parts being formed therein, they may be more easily cleaned than when the plunger is pivoted or otherwise attached to the body of the colander.

Having thus explained my invention, what I claim is—

1. In a colander, a perforated V-shaped cup or holder supported by rectangular end pieces, in combination with a horizontal rod disposed in the bottom of said cup and secured in said end pieces, and a plunger having a rectangular plunger-bar adapted to slide on the walls of said cup, substantially as described.

2. In a colander, a perforated V-shaped colander proper supported by solid rectangular end pieces or standards, in combination with a plunger having a rectangular plunger-bar and circular handle connected by rods which enter vertical grooves therein, substantially as and for the purpose set forth.

3. The colander A, comprising the end pieces *b*, cup D, having the perforated walls *d f*, and the rod *h*, secured in said end pieces, substantially as described.

GEORGE K. KNOWLTON.

Witnesses:

O. M. SHAW,  
K. DURFEE.