C. J. SCHIEMER.

FRUIT PRESS.

APPLICATION FILED JAN. 3, 1918.

1,317,667. Patented Sept. 30, 1919.

Fig. 1.

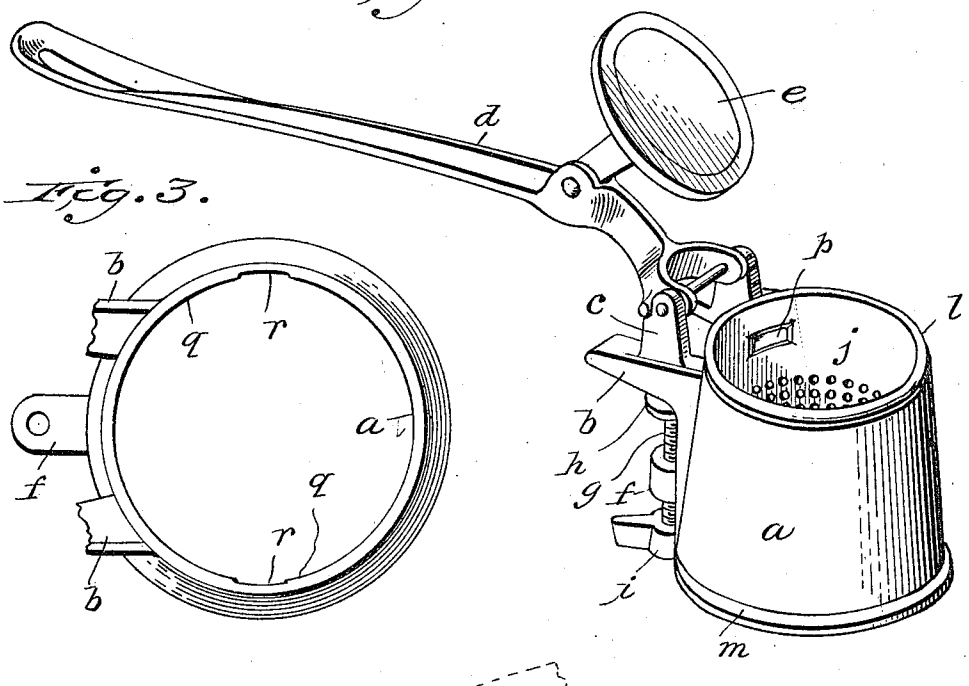
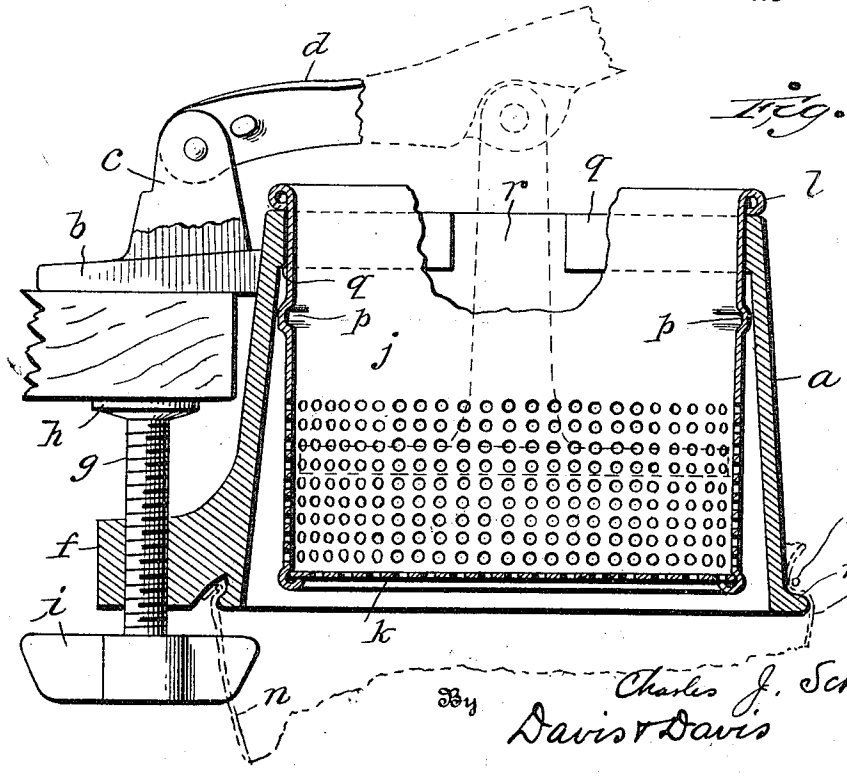


Fig. 3.

Fig. 2.



Inventor

Charles J. Schiemer

By Davis & Davis

Attorneys.

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES J. SCHIEMER, OF MOUNT JOY, PENNSYLVANIA.

FRUIT-PRESS.

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Application filed January 3, 1918. Serial No. 210,129.

To all whom it may concern:

Be it known that I, CHARLES J. SCHIEMER, a citizen of the United States of America, and a resident of Mount Joy, county of Lancaster, State of Pennsylvania, have invented certain new and useful Improvements in Fruit-Presses, of which the following is a full and clear specification.

The object of this invention is to provide a simple device that may be attached to a table or other support and be employed for expressing the juice of fruits or for "ricing" potatoes, etc., as more fully hereinafter set forth.

In the drawing—

Figure 1 is a perspective view of my device;

Fig. 2 is a vertical sectional view; and

Fig. 3 is a plan view of the strainer-holding tube.

My device embodies essentially a cylinder *a* open at both ends and tapering upwardly. Integrally formed on the exterior of the cylinder, near its upper end, is a pair of downwardly-facing stationary clamp-jaws *b* provided with a pair of upstanding ears *c* on which is pivoted a lever *d*, this lever carrying a pivotally-depending pressing-disk *e* adapted to descend into the cylinder when the lever is swung downwardly and forwardly. On the same side of the cylinder with the lug *b* is formed another integral lug *f* and threaded through which is a screw *g* provided at its upper end with a clamping member *h* adapted to coöperate with the stationary supporting and clamping member *b* to attach the device to the edge of a table, said screw being provided at its lower end with a hand-piece *i* for turning it. Adapted to be removably suspended in the cylinder is a cylindrical cup *j*, whose upper end is open and whose lower end is closed by a perforated plate *k*, the lower portion of the wall of this cup being also perforated. This cup is removably suspended in the cylinder by having a bead *l* at its upper edge rest upon the upper edge of the cylinder. The fruit to be pressed is placed in the cup and the presser-head *e* is forced down against the same by means of the hand-lever *d*. After the juice is expressed through the perforations in the cup, the cup may be withdrawn from the cylinder for the purpose of conveniently removing the pulp, seeds, etc. For ricing potatoes, etc., the same operation is gone through with. For the purpose of catching the juice that is expressed from the fruit and thus preventing it squirting or splashing about, a suitable cloth, bag or sack may be hung to the depending lower edge of the cylinder *a*, an outwardly-extending flange *m* being provided at the lower edge of the cylinder to enable the mouth of the bag to be conveniently and securely tied around the lower end of the cylinder, as shown in dotted lines in Fig. 2, the bag or cloth being designated by the letter *n* and the string being designated by the letter *o*. To prevent the strainer-cup being accidentally withdrawn from the cylinder in case the presser-head gets stuck in the cup prior to withdrawal of the presser-head, I provide the cup at opposite sides with a pair of outwardly-pressed lugs *p* which engage under an inwardly-extending flange *q* formed on the upper end of the cylinder *a*, this flange *q* being cut away at opposite points, as indicated at *r*, to permit the lugs *p* to pass down into the cylinder. After the lugs have passed down into the cylinder, the cup is turned sufficiently in either direction to cause the lugs to pass under the downwardly-facing shoulder of the flange *q* and thus lock the cup in place.

A feature of importance in my device is the idea of employing this open-ended cylinder which depends from the point of support on the table. This not only brings the device low enough with respect to the table to enable the operator to apply power with less effort, but it also enables me to provide for conveniently suspending to the lower rim of the cylinder a cloth or bag for confining the juice and thus not only preserve the juice but prevent it being squirted or splashed far enough laterally to prevent it being deposited in the receptacle that is arranged for it below the apparatus, it being understood, of course, that the splash-bag will be so arranged as to insure the delivery of the juice or other expressed substance into a suitable vessel placed on a chair or other convenient support below the apparatus.

The nature and scope of the invention having been thus indicated and its preferred embodiment having been specifically described, what is claimed as new is:

1. In a device of the class set forth, the combination of an open-ended cylinder and means for removably attaching it to a support, a strainer-cup removably depending in

said cylinder, and a lever carrying a presser-head working in said cup, the lower end of said cylinder being provided with means for attaching a bag thereto.

2. In a device of the class set forth, the combination of an open-ended cylinder and means for removably attaching it to a support, a strainer-cup removably depending in said cylinder, and a lever carrying a presser-head working in said cup, the lower edge of said cylinder being provided with an outwardly-extending flange for holding a bag.

3. In a device of the class set forth, a vertically-arranged open-ended cylinder and means for detachably attaching it to a support, said cylinder being provided at its upper end with an inwardly-extending flange cut away at one or more points, a strainer-cup rotatably suspended in said cylinder and provided with a lug or lugs adapted to pass down through said cut-away parts of the flange.

In testimony whereof I hereunto affix my signature.

CHARLES J. SCHIEMER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."