2 Sheets—Sheet 1.

# E. W. FAWCETT.

## PRESSES FOR LARD, FRUIT, &c.

No. 194,232. Patented Aug. 14, 1877.

Fig. 1.

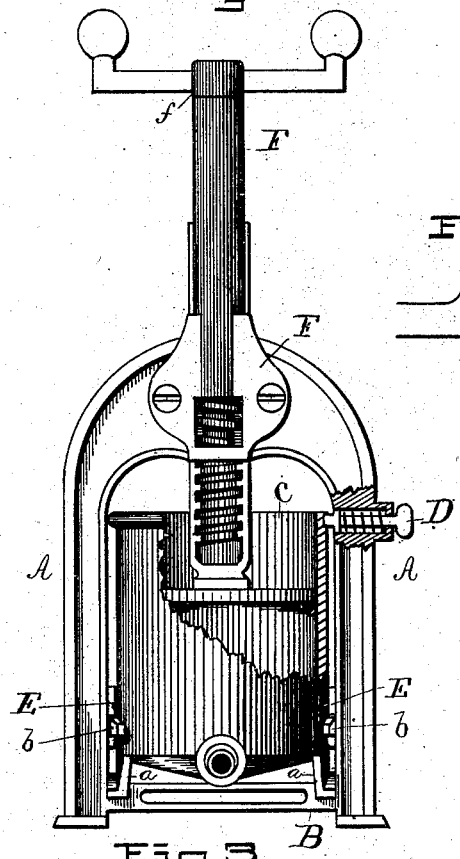



Fig. 6.

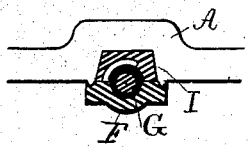



Fig. 2.

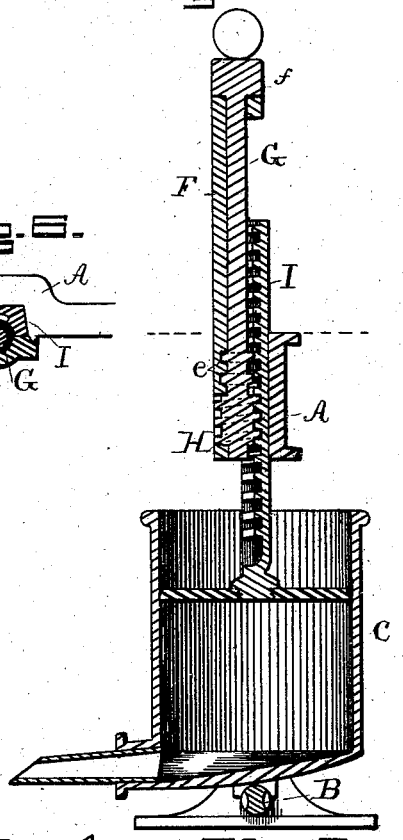



Fig. 3.

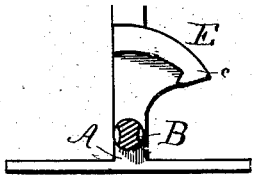



Fig. 4

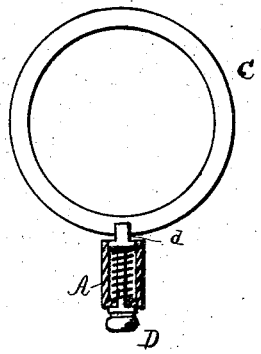
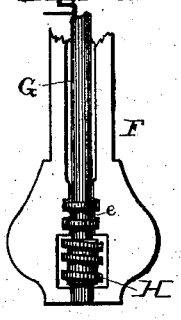



Fig. 5.




WITNESSES:

A. B. Brown

Albin M. Long

INVENTOR:

Edward W. Fawcett.

PER

H. C. Abbot.

ATTORNEY.

2 Sheets—Sheet 2.

# E. W. FAWCETT.

## PRESSES FOR LARD, FRUIT, &c.

No. 194,232. Patented Aug. 14, 1877.

Fig. 7.

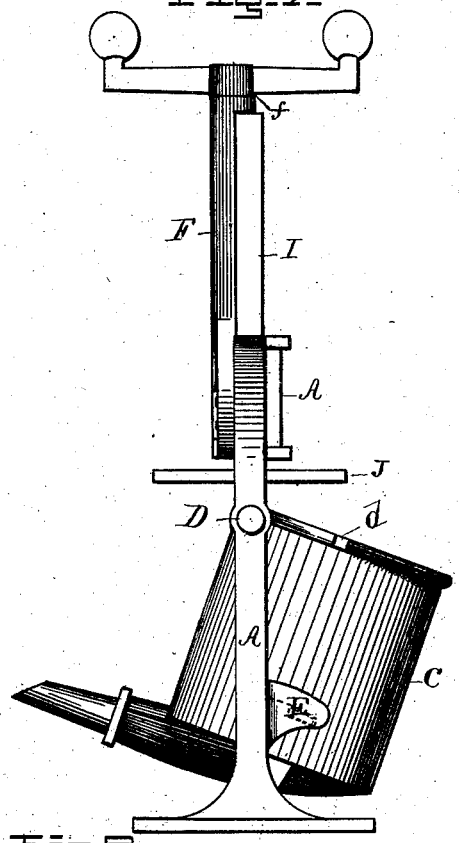



Fig. 8.

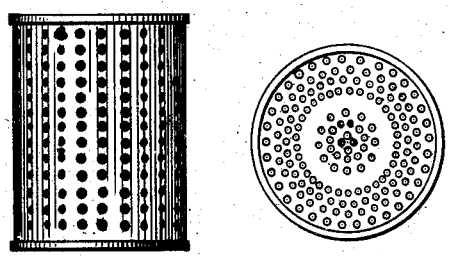
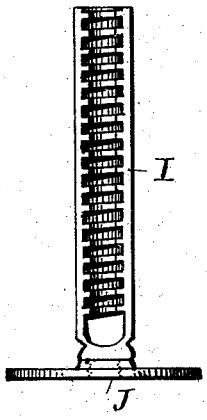


Fig. 8.





WITNESSES:

W. B. Brown

Albin N. Long

INVENTOR:

Edward W. Fawcett.

PER

A. C. Abbot.

ATTORNEY.

# UNITED STATES PATENT OFFICE.

EDWARD W. FAWCETT, OF SALEM, OHIO, ASSIGNOR TO THE SILVER AND DEMING MANUFACTURING COMPANY, OF SAME PLACE.

## IMPROVEMENT IN PRESSES FOR LARD, FRUIT, &c.

Specification forming part of Letters Patent No. **194,232**, dated August 14, 1877; application filed July 11, 1877.

*To all whom it may concern:*

Be it known that I, EWD. W. FAWCETT, of Salem, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Lard and Fruit Presses and Sausage-Stuffers; 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 which it appertains to make and use the same.

This invention relates to certain improvements in combined sausage-stuffer, lard, fruit, and jelly presses; and consists in the special construction and arrangement of parts, which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a front elevation, showing the cylinder and frame, part in section. Fig. 2 is a central vertical section through the press; Fig. 3, a view showing one of the stops on the frame for holding the cylinder when tipped back for filling. Fig. 4 shows a spring-catch for holding the cylinder in position when its contents are being pressed. Fig. 5 is a view showing the shaft and its bearing attachment removed from the frame; Fig. 6, a section on the line *x x*, Fig. 1; Fig. 7, a side elevation with the cylinder tipped back for filling. Fig. 8 denotes a perforated strainer and bottom, to be placed in the cylinder when pressing lard or fruit. Fig. 9 represents the rack-bar and its countersunk threaded concave side.

In these figures, A represents the frame, rounded at the top, as shown, and connected at the bottom by a cross-piece, B, which supports the cylinder C. This cylinder has at the bottom two legs, *a*, recessed or made to receive the cross-piece B in such a way that said cylinder may be removed from the frame by tipping it forward. D is a spring-latch arranged on one side of the frame A, as shown, or in any other suitable way, so as to securely retain the cylinder in a vertical position when its contents are to be pressed.

On the inner sides, and near the bottom of the two uprights of the frame, are arranged two stops, E. These stops may be cast with the frame, or they may be attached after the frame has been constructed.

The cylinder C is provided, near the bottom, with two lugs, *b*, arranged on opposite sides thereof, so as to engage or come in contact with the flange *c* of the stops E. By this means the cylinder is adjusted for filling by simply tipping it back, as shown in Fig. 7, and then, for pressing, it is thrown forward to a vertical position, as shown in Fig. 1, where it will be securely retained by the spring-latch D passing into a recess, *d*, in the side of the cylinder.

To the top or rounded part of the frame is riveted or otherwise secured an upright, F, which supports the shaft G. This shaft is provided at the lower end with screw-thread H and one or more collars, *e*, which latter pass into like-shaped recesses in the upright F. These collars, together with a suitable head or shoulder, *f*, secured to the upper end of the shaft, retain it in position so as to allow of its proper movement.

The screw-thread H of the shaft G meshes with the rack-bar I, as shown. By this means the piston J is, by the shaft G and its suitable crank at the upper end, lowered or raised at pleasure.

The semi-cylindrical top or rounded part of the frame is made to receive the rack-bar in such a way that the upright F may be placed over it, as shown, and allow of its vertical intermittent movement when operated to lower or raise the piston. This piston rack-bar is made concave on one side, and this concavity provided with countersunk thread, which runs in the same direction as that of the thread of the shaft.

The upper end of the screw-post is provided with a crank or other suitable device to revolve the shaft in order to operate the piston.

When lard or fruit is to be pressed the perforated cylinder and bottom (shown in Fig. 8) are placed inside of the sausage-stuffer. This will require a piston of less dimensions around the periphery—such as J′ in Fig. 9—in order that it may perform its function without com-

ing in contact with the cylindrical strainer used in such cases. In order to provide for this requirement the lower end of the shaft is provided with a screw for the purpose of the ready attachment of pistons-followers of different sizes.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the shaft with a semi-cylindrical rack-bar, I, having a countersunk thread and an adjustable piston, as shown and described.

2. In a lard and fruit press or sausage-stuffing machine, the shaft G, having one or more collars, *e*, head *f*, and screw-thread H, substantially as shown and described.

3. The frame A, provided with laterally-projecting stops E, as shown, and for the purpose specified.

4. In a lard and fruit press or sausage-stuffing machine, the upright F, frame A, shaft G, having collar *e*, and screw-thread H, in combination with the semi-cylindrical rack-bar I and piston J, substantially as shown and described.

5. In a lard and fruit press or sausage-stuffing machine, the cylinder C, having lugs *b* and legs *a*, in combination with the frame A, cross-piece B, spring-latch D, and stops E, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

EDWARD W. FAWCETT.

Witnesses:
HOMER H. WILSON,
LAWRENCE A. HALL.