H. W. CLUM.

HOUSEHOLD PRESS.

No. 193,144. Patented July 17, 1877.

Fig. 1

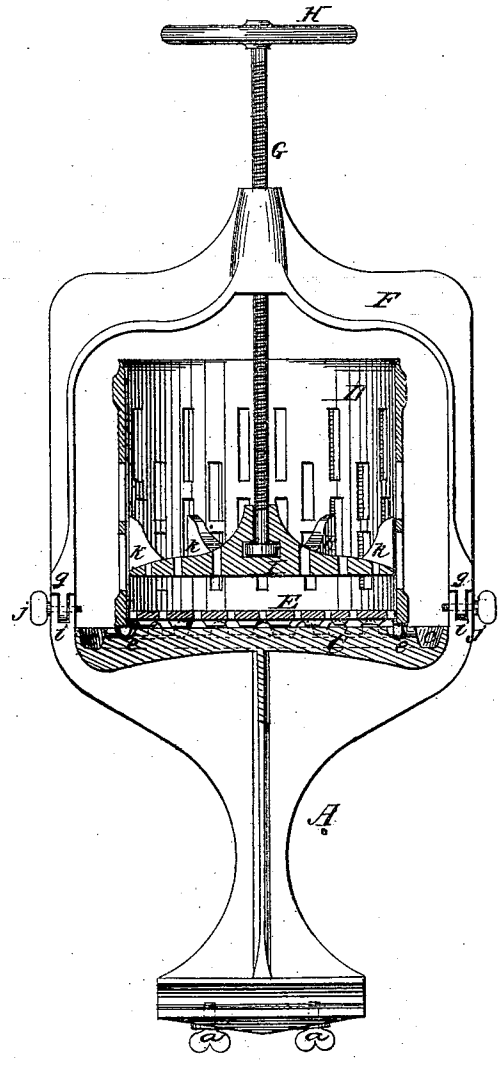
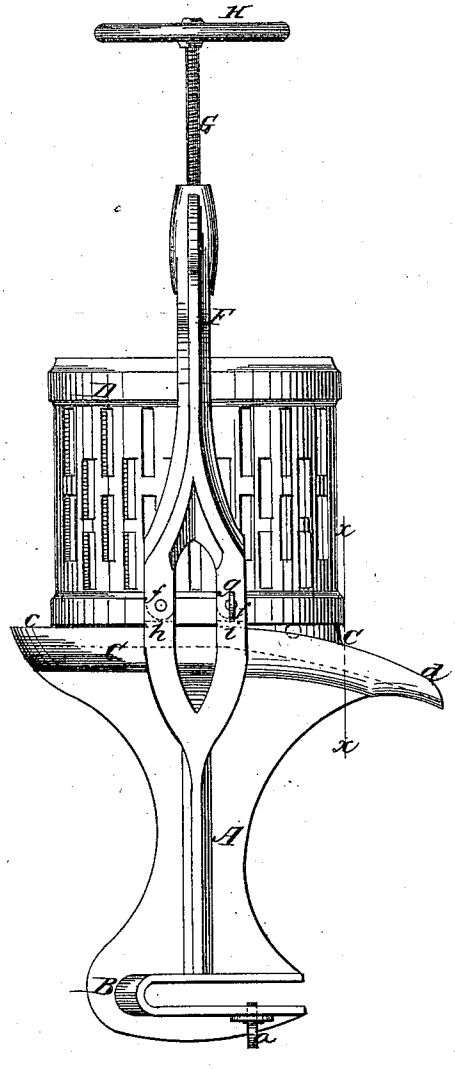


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY W. CLUM, OF GREEN POINT, NEW YORK.

IMPROVEMENT IN HOUSEHOLD PRESSES.

Specification forming part of Letters Patent No. **193,144**, dated July 17, 1877; application filed December 23, 1876.

To all whom it may concern:

Be it known that I, HENRY W. CLUM, of Green Point, in the county of Kings and State of New York, have invented a new and Improved Portable Press, of which the following is a specification:

Figure 1 is a vertical section on line *x x* in Fig. 2. Fig. 2 is a side elevation.

Similar letters of reference indicate corresponding parts.

My invention relates to portable presses for expressing juices from fruits and for other similar purposes; and it consists of a standard or base-piece, which is provided with a clamp for attaching it to the table, and upon the upper end of which a disk is formed, that is surrounded by a trough or channel that terminates in a spout. A yoke is jointed to ears at the sides of the said disk, and is provided with a screw, by which the power is applied.

Referring to the drawing, A is a standard or base-piece, which is provided at its lower end with a clamp, B, having the screws *a a* for binding it upon the table. C is a disk formed upon the upper portion of the base-piece, and is surrounded by a channel or trough, *c*, which terminates in a spout, *d*, at one side, for delivering the liquid forced out by the press. A groove, *e*, is cut in the face of the disk to receive the lower edge of a perforated hoop, D. An internal rim or lip is formed on the inner side of the hoop D, near its lower edge, to receive and support the perforated bottom E. F is a yoke, each branch of which is forked at its lower end, forming ears *f g*. The ears *f* are pivoted between ears *h*, formed at the sides of the disk C, and the ears *g* are received between ears *i*, provided at the side of the disk C, and are retained by pins *j*, which pass through the ears *g* and *i*. G is a screw, passing centrally through the top of the yoke F, having at its upper end a hand-wheel, H, and upon its lower end the follower or platen I, which is attached to the screw by a swivel-connection. The follower I is perforated and provided with guiding-lugs *k*, for guiding it in the hoop D, in which it moves.

The follower is raised by means of the screw until it is in contact with the yoke, when the pins *j* are withdrawn, and the yoke turned on its pivots, leaving the hoop D open, so that the substance to be pressed may be readily placed in the hoop. When the hoop is filled the yoke is replaced, and the pins *j* inserted, and the follower is forced downward by turning the screw. The expressed liquid flows outward through the perforations of the hoop and bottom into the channel *c*, and thence, through the spout *d*, into any convenient receptacle placed under it.

When the operation of pressing is completed, the screw is retracted and the yoke turned on its pivots, as when the hoop is filled, and the hoop and its bottom E are removed and the contents emptied.

The advantages claimed for my improvement are, that the press is compact, simple, and easily manipulated. The base-piece elevates it so that a receptacle may be placed under the spout for receiving the liquid flowing from the press. The perforated bottom, supported by the internal rib in the hoop, affords means for the escape of liquid from the mass under pressure, and at the same time keeps the hoop down to its place.

The press may be made of cast-iron, requiring very little fitting, and it may be galvanized, tinned, or enameled.

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

A press consisting of the standard A, provided with a clamp, B, and having formed upon it the disk C, the jointed yoke F, screw G, follower I, having lugs K, and the hoop D, all constructed and arranged substantially as herein shown and described.

HENRY W. CLUM.

Witnesses:
C. SEDGWICK,
ALEX. F. ROBERTS.