

No. 776,253.

PATENTED NOV. 29, 1904.

S. R. MUNSON.
FRUIT OR LARD PRESS.
APPLICATION FILED AUG. 18, 1903.

NO MODEL.

2 SHEETS—SHEET 2.

Fig. 4

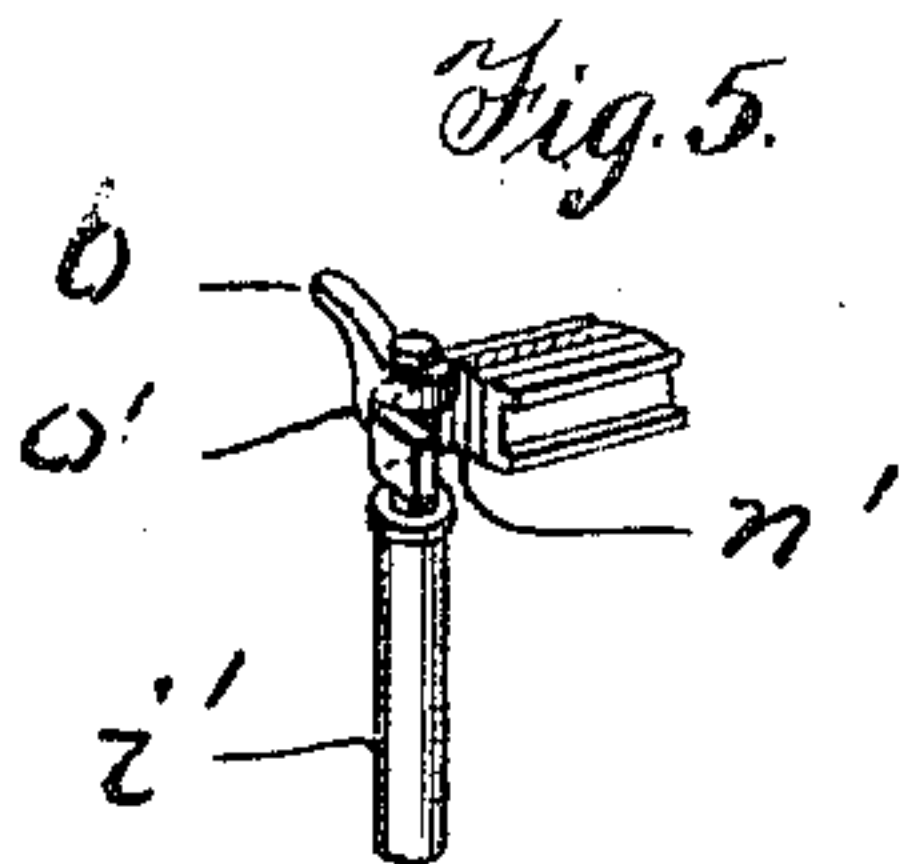
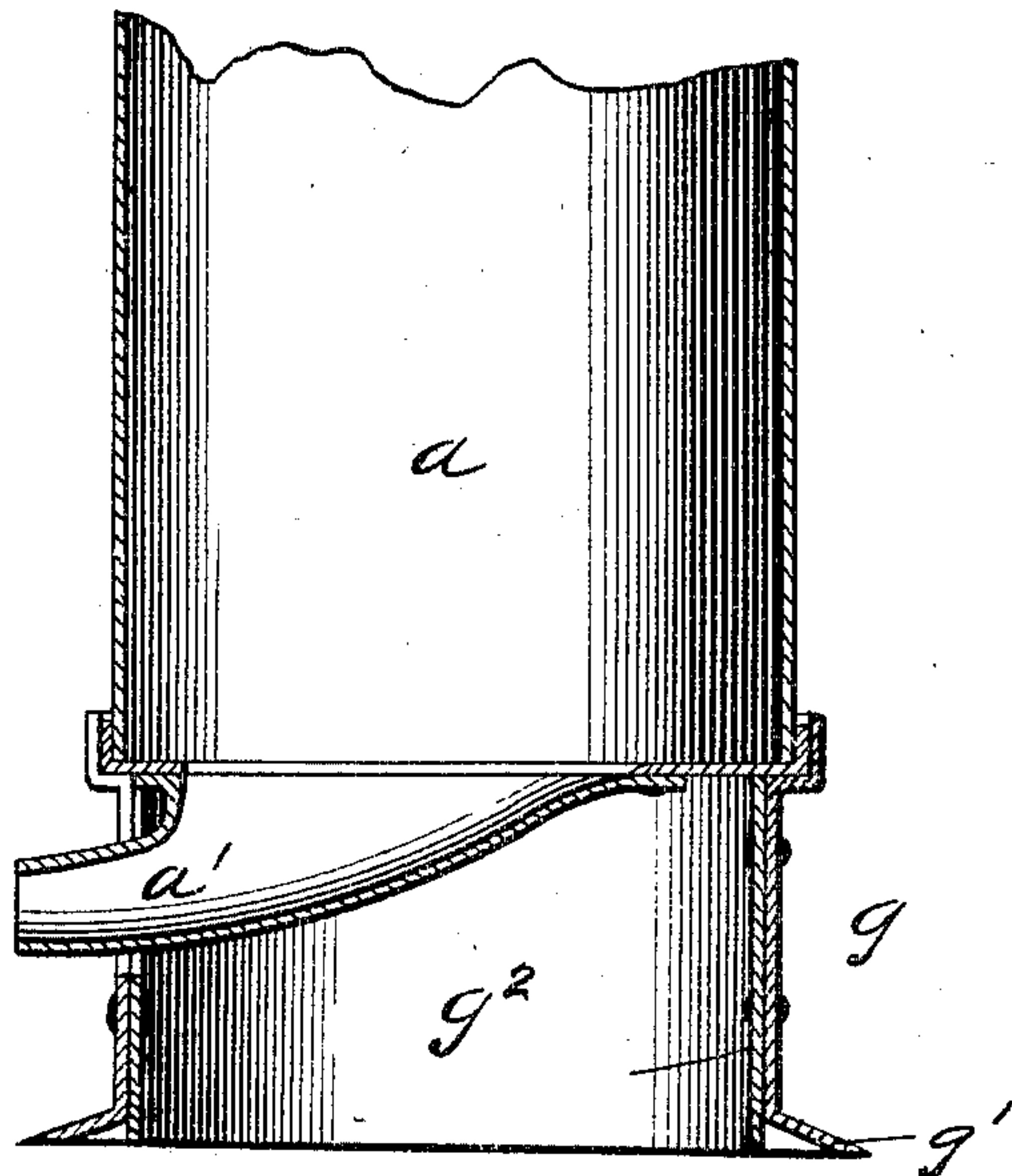
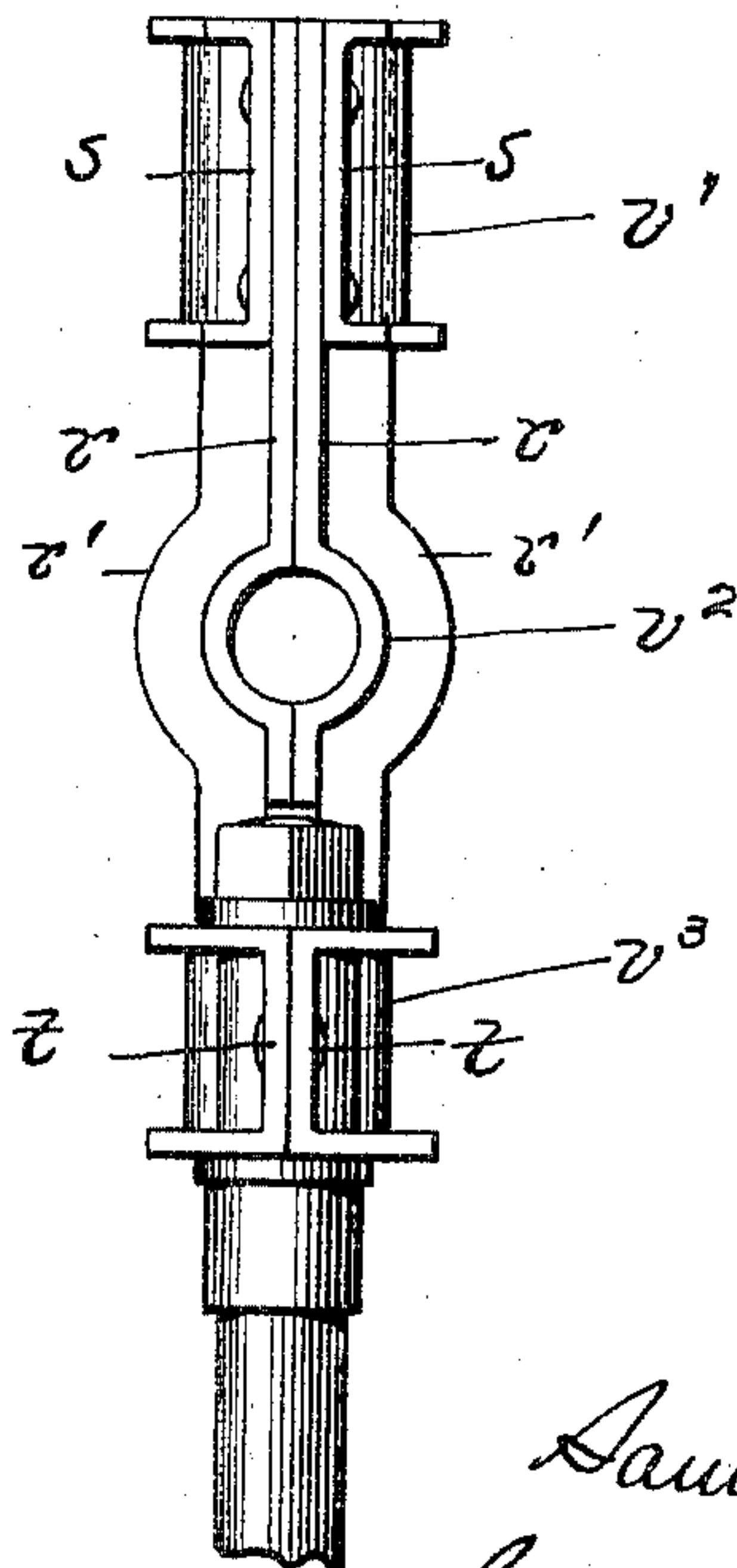


Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

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FRUIT OR LARD PRESS.

SPECIFICATION forming part of Letters Patent No. 776,253, dated November 29, 1904.

Application filed August 18, 1903. Serial No. 169,861. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL R. MUNSON, a citizen of the United States of America, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Fruit or Lard Presses, of which the following is a specification.

The object of the invention is to produce a device of the class specified having features of novelty and advantage.

Referring to the drawings, Figure 1 is a general perspective view of a press embodying my invention. Fig. 2 is a detail of the frame partly in central vertical section. Fig. 3 is a sectional plan view on the line $x^3 x^3$ of Fig. 2. Fig. 4 is a detail of the base. Fig. 5 is a detail of the locking means. Fig. 6 is a partial side elevation showing one of the uprights and the frame.

a is the receptacle in which the material to be treated is placed. b is the platen or plunger which fits closely within the receptacle a and is carried by the threaded stem c , which is supported in a frame and has mounted on it a gear d , meshing with a gear e , which is suitably supported in the frame and adapted to be operated by the crank f . The stem c has a keyway c' cut in it, which is engaged by a suitable key carried by the frame to prevent its rotation, but permit its lengthwise movement. The gear d is interiorly threaded to engage the threads upon the stem c . It will thus be seen that upon rotation of the crank f and the gears e d the stem c , carrying the platen b , will be moved up and down, depending upon the direction of rotation of the crank f . The receptacle a is provided at the bottom with a spout a' , as is customary in devices of this class.

The general construction and operation above described is common to fruit and lard presses, and I do not broadly claim any novelty therein. My invention relates more particularly to constructional features of the device.

The base g is made from sheet metal formed to shape, having a flaring flange g' . Closely

fitting within this base is a stiffening-ring g^2 , formed from sheet metal, securely fastened to the base-ring, as by rivets. The base is cut away, as at g^3 , to accommodate the spout a' at the bottom of the receptacle a .

To the outside base the sheet-metal clips h are secured, which support uprights i i' , these uprights being shouldered, as at i^2 , and having a nut i^3 on their lower ends, where they project through the clip. In this manner the uprights are securely supported on the base. The frame n , which carries the moving parts of the press, is pivotally mounted at the upper end of the upright i and is formed at its opposite end in the shape of a hook, as at n' , which is adapted to partially encircle the upper end of the upright i' . A lock-nut o , having a lug o' , is threaded onto the top of the upright i' and is adapted to be thrown around so that the lug o' will engage the rear of the hook and lock it to the upright. This construction permits of swinging the frame out of the way, so that the receptacle can be readily removed and emptied. Secured near the top of one of the uprights is a stripper i^5 , having a projection which overlies the edge of the receptacle in order to prevent its being displaced when the platen is being raised.

Each member of the frame n is formed by riveting together a pair of plates which are stiffened in any suitable manner, as by corrugations or the oppositely-projecting flanges, as shown. To unite the members of the frame together, the ends of two of them, as the side members, are received between the plates forming the other members and securely held by rivets. This construction is clearly shown in Figs. 1 and 6, where r r denote the plates forming the side frame members having flanges r' r' , and s s t t denote the plates of the upper and lower members, respectively, between which the side members are received and secured. The key s' , which rides in the keyway c' on the stem c , is preferably held between the plates s s of the upper member. The plates are formed with bosses v' v^2 v^3 to receive and support the shaft and the stem c , on which the platen is carried

I claim as my invention—

1. In a device of the class specified, a receptacle provided with a spout leading from the bottom of the receptacle, and a supporting-base for said receptacle, comprising an outer sheet-metal ring flanged outwardly and upwardly at its upper end to receive and support the lower end of the receptacle, and having an outwardly-flared lower end, and an interior stiffening-ring secured to the outer ring, said inner and outer rings being cut away on one side to receive the spout, substantially as described.

2. In a device of the class specified, the combination with the receptacle, the platen to operate therein, the grooved stem carrying the platen, and the operating mechanism for the stem, of a frame for said stem, comprising plates riveted together and having outwardly-extending stiffening-flanges, and provided with bosses to receive the stem, and a key held between one set of the plates and engaging the grooved stem, substantially as described.

3. In a device of the class specified, the combination with the receptacle, the platen to operate therein, the stem carrying said platen and having a longitudinal groove, and the operating mechanism, of a frame for said stem

and operating mechanism, comprising upper and lower members, each formed of sheet-metal plates secured together and having strengthening-flanges, a key held between the plates forming the upper member and engaging in the groove of the stem, and sheet-metal side members received between the plates of the upper and lower members and connecting said members, substantially as described.

4. In a device of the kind described the base, the uprights secured thereto, the frame supported by the uprights, the receptacle supported in the base, and a platen carried by the frame, and a stripper adapted to engage the receptacle to prevent its displacement.

5. In a device of the kind described in combination with the base, the uprights secured thereto, the frame carried on the uprights, the receptacle supported on the base, and a platen carried by the frame, a stripper mounted on one of the uprights and overlying the upper edge of the receptacle, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL R. MUNSON.

Witnesses:

B. F. VAUGHAN,
W. E. EASTMAN.