

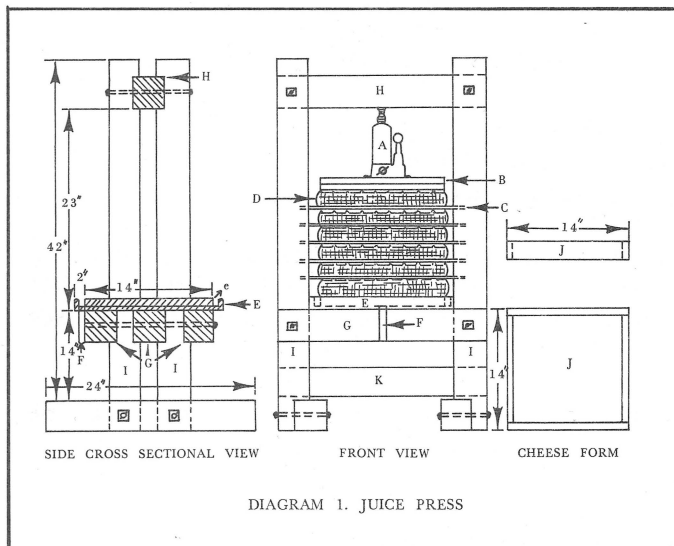
# HOMEMADE FRUIT JUICE PRESS



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A publication of the New York State Agricultural Experiment Station, Geneva, a division of the New York State College of Agriculture and Life Sciences, Ithaca, Cornell University, a Statutory College of the State University.



All lumber should be a hardwood unless otherwise specified. All nails should be corrosion resistant or stainless steel. If the designated carriage or machine bolts are not available, the same diameter threaded rod may be used.

## Lumber

- (4) 46" x 4" x 4"
- (7) 24" x 4" x 4"
- (1) 1/2" x 14" x 14"—may be marine grade plywood
- (1) 3/4" x 14" x 14"—may be marine grade plywood
- (1) 3/4" x 17" x 17"—may be marine grade plywood
- (46) 1/4" x 1" x 14"
- (20) 1/4" x 1 1/2" x 14"
- (5) 1/4" x 2" x 20"
- (4) 1/4" x 1 1/2" x 17"
- (4) 3/4" x 2" x 14"

## Hardware

- (1) 3/4" corrosion resistant metal or plastic pipe
- (4) 3/8" x 6" carriage
- (4) 3/8" x 11" carriage
- (2) 3/8" x 18" threaded rods
- (6) 30" x 30" press cloths
- (1) 1 1/2 ton 5-8" lift hydraulic jack

1. Notch the four upright timbers, I, in the appropriate places. Lumber should not be notched more than one-half its width.
2. Assemble uprights, I, base supports, press base supports, G and K, and press top, H, as shown in Diagram 1 and Figures 1 and 2, using the proper bolts. A metal plate, 3" x 3", should be fastened at point of contact of the jack.
3. Assemble the press base E by fastening the 3/4" x 17" x 17" board to supports G. The four 1/4" x 1 1/2" x 17" slats are attached to the sides of the base board E. The 1/2" x 14" x 14" board is centered on the larger board to channel the juice to the outlet F.
4. Assemble five 14" x 14" racks from 1/4" x 1" and 1/4" x 1 1/2" slats (Figure 3). The wider slats are used at the edges. The center slat on one side may be 20" long and 2" wide so that it will serve as a guide between the uprights I.
5. The jack support, B, is made from the 3/4" x 14" x 14" board with six 1/4" x 1" slats nailed across the

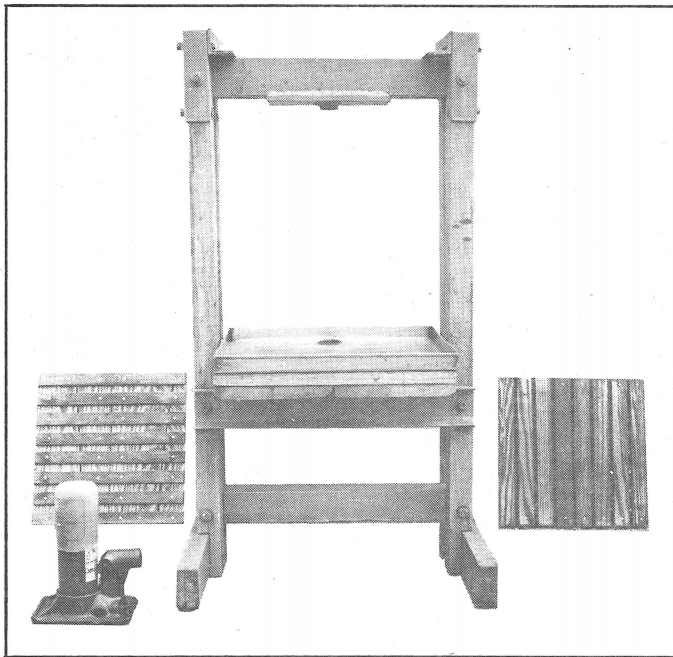


Figure 1

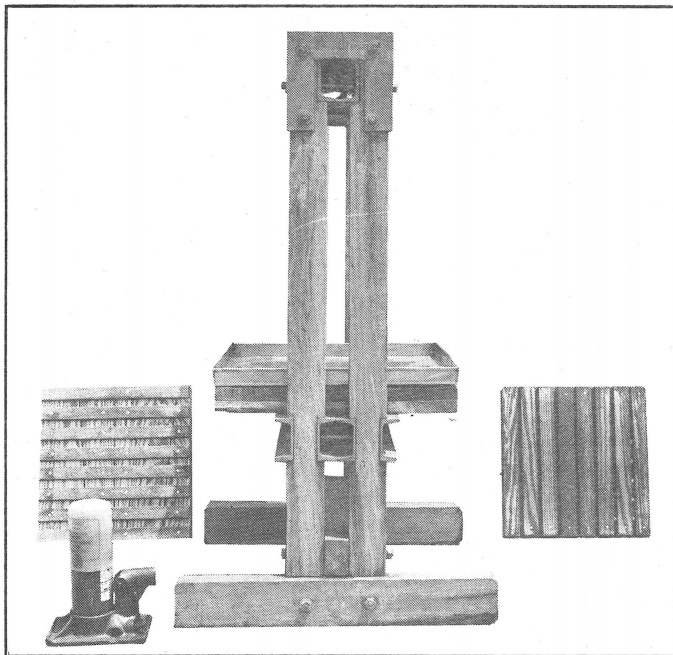


Figure 2

grain on one side. A permanent jack support held by springs as in Figure 4 may be used instead.

6. The cheese form J is made 14" x 14" with the  $\frac{3}{4}$ " x 2" x 14" pieces.
7. The juice outlet, F, is made by drilling a suitable hole in the base plate to place a  $\frac{3}{4}$ " tube of acid resistant metal or plastic.
8. White grain sacking or white duck cloth may be

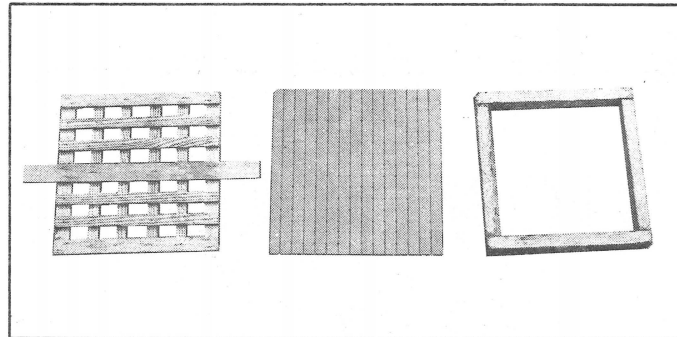


Figure 3

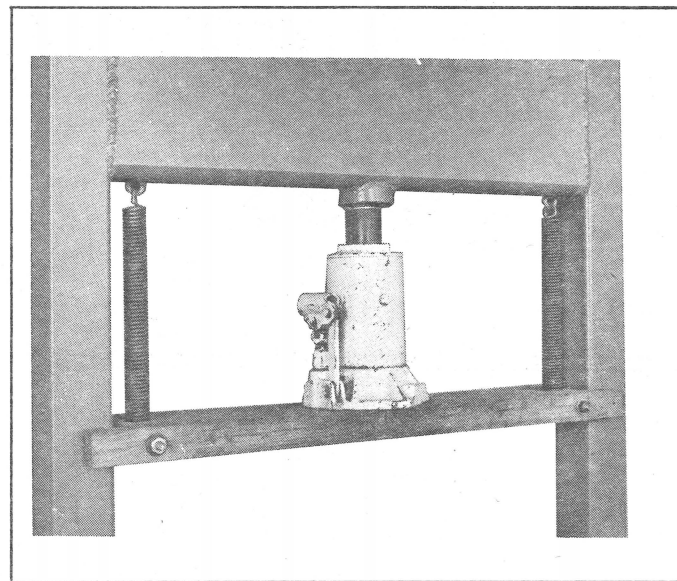


Figure 4

used. Specially prepared cotton or nylon press cloths may be obtained from:  
Orchard Equipment and Supply  
Conway, Massachusetts

National Filter Media Corporation  
1717 Dixwell Avenue  
New Haven, Connecticut 06514

Day Equipment Corp.  
1402 East Monroe  
Goshen, Indiana 46526.

9. All wooden parts of the press that come in direct contact with the juice should be coated with hot paraffin or painted with several coats of epoxy paint.
10. If plywood boards are used, the ends may be covered with the appropriate size half-round.

Revised from Circular No. 194.