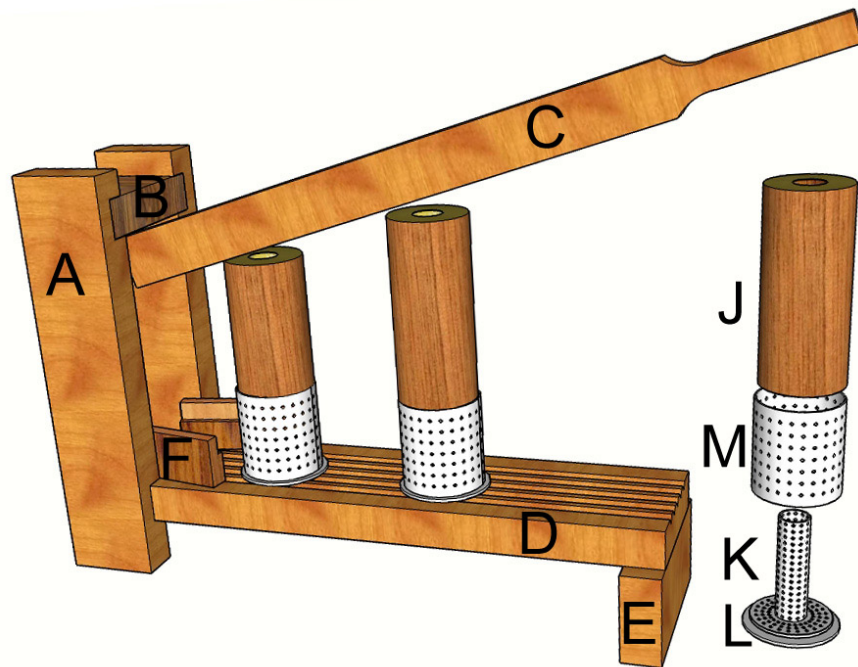


# Single-Lever Small Biomass Briquette Press

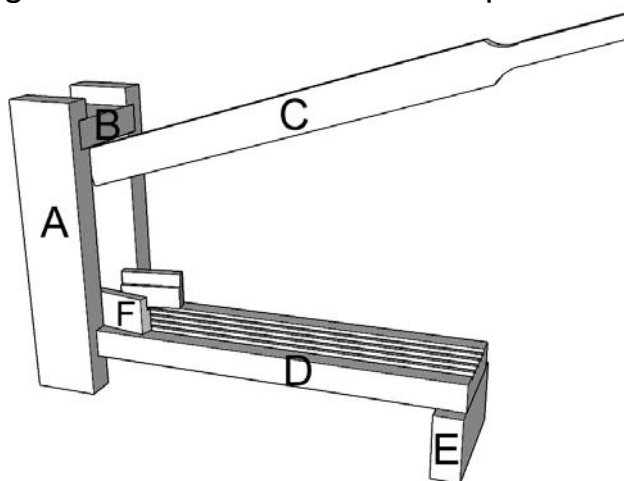
## Parts List, Notes & Drawings



### Notes:

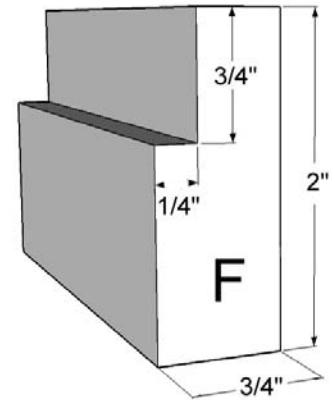
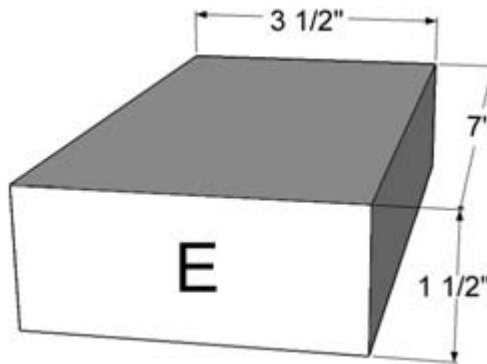
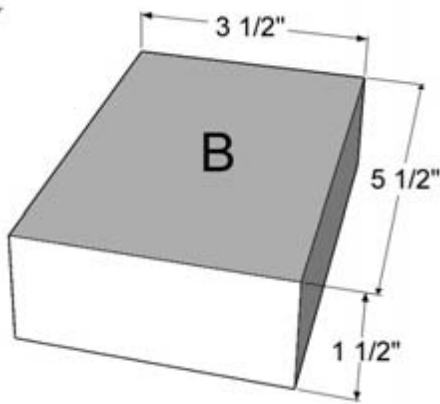
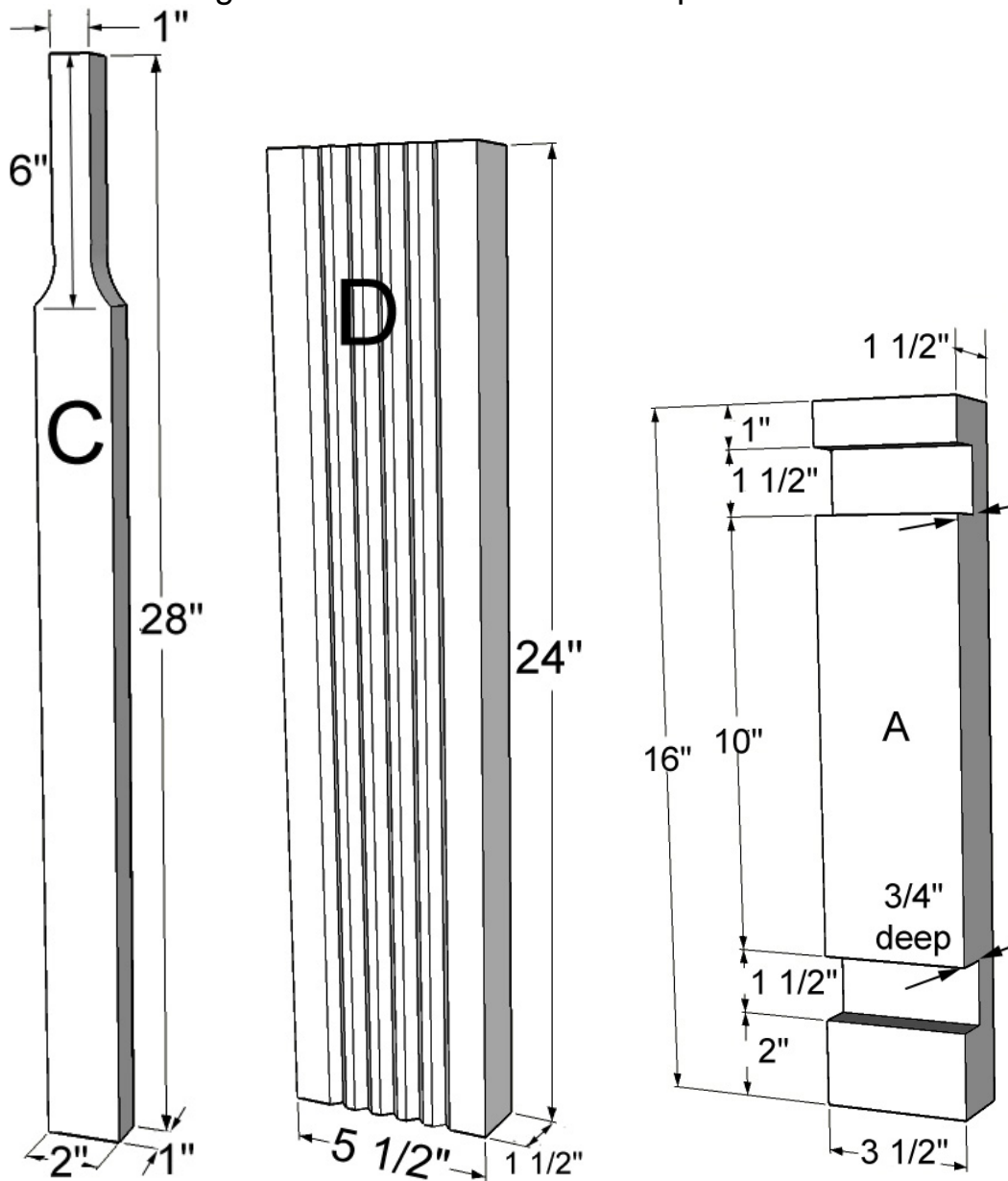
1. The press is designed to accommodate a biomass mold height of 3 ½" with either a 3" or 4" diameter. It will produce a briquette 3" in diameter, 1 ¼" tall with at center hole. If you desire a mold height greater than 3 ½", increase the separation between part D and part B to accommodate the new mold height requirements. Also, increase the length of parts J, K & M appropriately.
2. To minimize the swelling of the plunger, Part J, caused by the absorption of moisture, coat with oil, grease, lard or any similar water repelling substance.
3. To capture the wastewater from the squeezing process place a pan under the removal rails end of the press. The press is tipped toward that end.

## Single-Lever Small Biomass Briquette Press

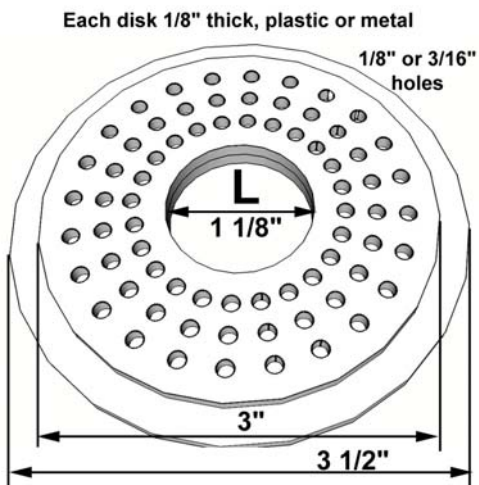
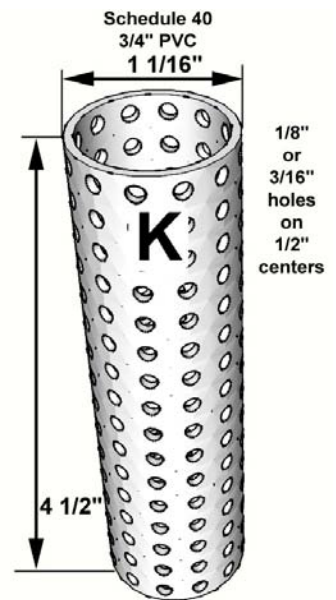
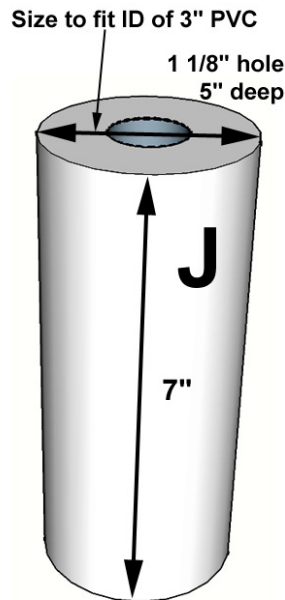
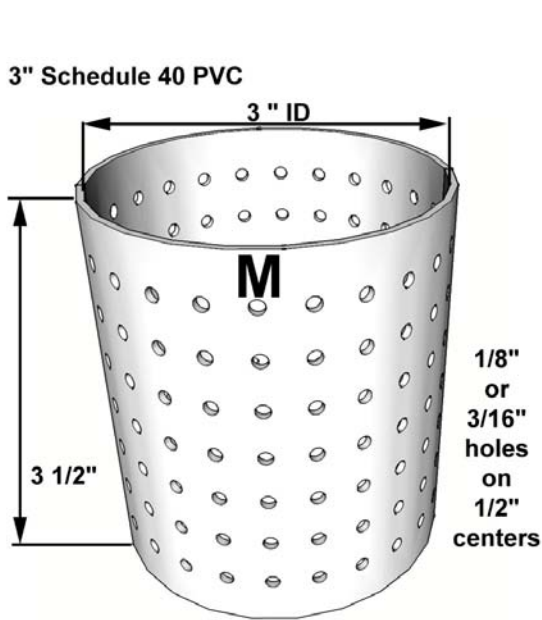
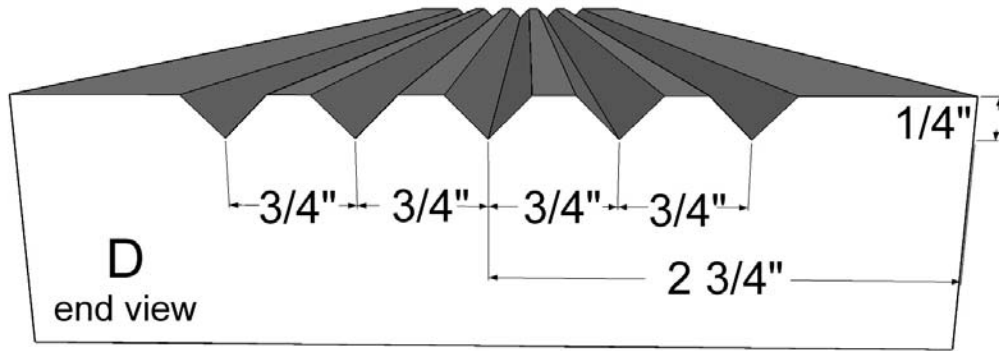


PART	PCS	DESCRIPTION
Stock	1	1 1/2" x 3 1/2" x 72"
Stock	1	1 1/2" x 5 1/2" x 24"
A	2	<b>Vertical Support</b> 1 1/2" X 3 1/2" X 16", channel = 1 1/2" wide x 3/4" deep, 2" from bottom end of stock. Channel = 1 1/2" wide x 3/4" deep, 1" from top end of stock.
B	1	<b>Top Spacer</b> 1 1/2" X 3 1/2" X 5 1/2"
C	1	<b>Pusher Lever</b> 1" X 2" X 28", see drawing for end taper
D	1	<b>Base plate with grooves, see drawing.</b> 1 1/2" X 5 1/2" X 24", Fasten with nails or screws
E	1	<b>Front Leg</b> 1 1/2" X 3 1/2" X 7
F	2	<b>Removal Rails,</b> 3/4" x 3.5" x 2" with 1/4" x 3/4" cut-out, see drawing
M	1	<b>Mold</b> 3 1/2" of 3" schedule 40 PVC with 1/8" or 3/16" holes on 1/2" centers. See note 1
J	1	<b>Mold Plunger, sized to fit inside the 3" PVC mold</b> 7" long with 1 1/8" hole, 5" Deep. See note 1 & 2
K		<b>Center Drainage Tube</b> 4 1/2" long, 3/4" schedule 40 PVC with 1/8" or 3/16" holes on 1/2" centers. See note 1
L	1	<b>Mold Base Plate, Optional</b> Metal or Plastic, made of two pieces 1/8" thick, size the ID dimension to fit inside the 3" mold, see drawing for details.

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