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Can Stove #2: The smaller version

Steve

- Skills and guides - DIY, Making things. -



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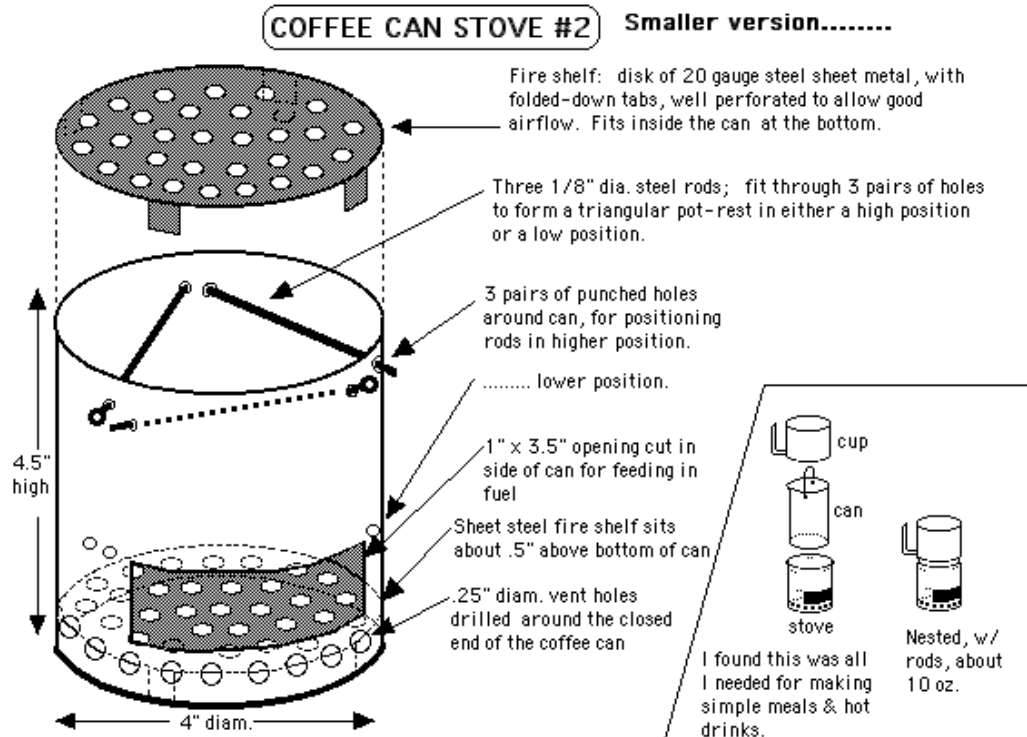
Description :

This is a reduced-size version of my "coffee-can" stove, scaled down in size & weight so it is more suitable for cooking by one-person, on short trips.

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Here is another, slightly smaller, one-person version of a can stove that will burn sticks, twigs, pine cones, fuel tabs, etc. For this stove, I used a 28 oz. tomato can (4 D x 4.5 H). This size stove allows you to position a "tin" can of slightly size [26.5 oz. juice can (3.375 D x 5.75 H) w/ wire bail handle] down inside for boiling water/cooking. You can position this can at either a high position or a low position. The low position works well for use of "trioxane" bars or "fuel tabs". The higher position is better for burning sticks, pine cones, etc. You can feed in fuel either from the top (temporarily lifting out the cooking pot) or thru the opening on the side of the stove. The lower sheet metal fire shelf and the 1/8" steel rods are heavy enough to withstand the high heat of a lot of fires. When the stove can eventually burns out, just shift the shelf & rods to a new can to make a new stove. To complete the set, I added a 32 oz. stainless steel cup (3.5 D x 3.5 H). The stove weighs about 3 oz.; the cooking pot about 3 oz.; the cup about 3 oz. Everything nests together; the removed pot rest rods fit down inside the can, along with matches, fuel tabs, spoon, etc. The whole set rides in a small cloth bag. Feeding the stove with finger-sized dry sticks & branches, I can quickly get a good hot fire going atop the fire shelf; it will boil a pot of water in about 6-8 minutes. Like my first coffee can stove, you can experiment with the number & placement of vent holes; none of the dimensions or construction details are critical.

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