

OIL DRUM SMOKER

EYES FOR THE JOB- EPISODE 302.2

‘FROM SEA TO SMOKER’



MATERIALS NEEDED

- Two 55 gallon oil drums
- Five 3" flat hinges
- Two pieces of 10m rebar x 36" long
- One 6" stove pipe 90 degree elbow
- One 6" diameter x 12" long straight stove pipe
- Eight 2"x 1" cotter pins
- One piece of 16" x 34" steel mesh
- 1/8" x 1 1/2" flat bar
- Four pieces of 1x1x45" steel tubing
- One old bbq handle
- One old bbq temperature gauge
- Two old bbq grill racks
- Two 3/8" diameter x 1" long steel bolts
- Four 2" long utensil hooks
- zip wheels (grinder wheels)
- Forty-three flat washers for 3/8" diameter hole for bolt
- Twenty-four nuts for 3/8" diameter bolts
- Four 3/8" diameter x 2 1/2" long steel bolts
- Thirty 1/2" long s/s pop rivets

TOOLS NEEDED

Rivet Gun
Chop saw
Drill
Drill bits
4" hole saw
2 3/4" hole saw
Squares
Socket set
Measuring tape
Tin snips
Hacksaw
Adjustable wrench
Angle grinder



STEP BY STEP BUILD PLAN

1. From the 1" square tube angle - make four pieces 48" long for the legs.
2. Cut a 6" round hole inside of both barrels 8" from the end.
3. Attach the 6" diameter X 6" long stove pipe to the holes in side of barrel, and cope to fit the curve of barrel. Cope the other end of the pipe to fit the second barrel and attach it.

4. Bolt the four legs to the two barrels 2" in from each end with a 3/8" diameter by a 2 1/2" long bolt and washer assembly.
5. Bolt a steel flat bar "X" brace across the legs on the back of the smoker. bolt the flat bar together where they intersect.
6. Cut a door in the side of the top oil drum. The door is 31" long x 1/4 the diameter of the barrel.
7. Make four rack supports from 10m rebar. 36" long each.
8. Drill four 1/2" diameter holes in both ends of the oil drum. They are approximately 7" vertically from the top and bottom of oil drum for rack supports.
9. Cut a 4" diameter hole in one end of top oil drum for a vent.
10. Fabricate a chimney from 4" aluminum dryer vent.
11. Drill and pop the rivet vent to oil drum.
12. Insert shelf supports in the barrel ends.
13. Once installed, drill 1/8" holes in ends of the shelf supports for the cotter pins.
14. Drill and pop the rivet 3" long hinges to the smoker door.
15. Drill and pop the rivet 1/8" x 1 1/2" sheet metal strip to curved edges of smoker door.
16. Install the smoker handle.
17. Drill and pop the rivet door to the barrel at the hinges.
18. Drill a hole in the door and install the temperature gauge.
19. Place grill racks on the shelf supports in the smoker.
20. Screw the utensil hooks to the front rail of the smoker stand.
21. Cut a 12" high X 14" long hole in the side of the bottom barrel for a door. Attach two 3" hinges with pop rivets.
22. Make a pivot latch for the door from leftover flat stock
23. From the 4" hole drilled for the chimney use the blank as a damper for the lower barrel. Drill a 2 3/4" hole 4" from the bottom edge on the opposite end of the door. Bolt the 4" blank over the 2 3/4" hole with a washer in between. Put a nut and bolt through the hole in the 4" blank to use as a handle to open and close the damper.
24. Cut and install a 16" x 34" steel mesh into the bottom of the lower barrel for wood to burn on.