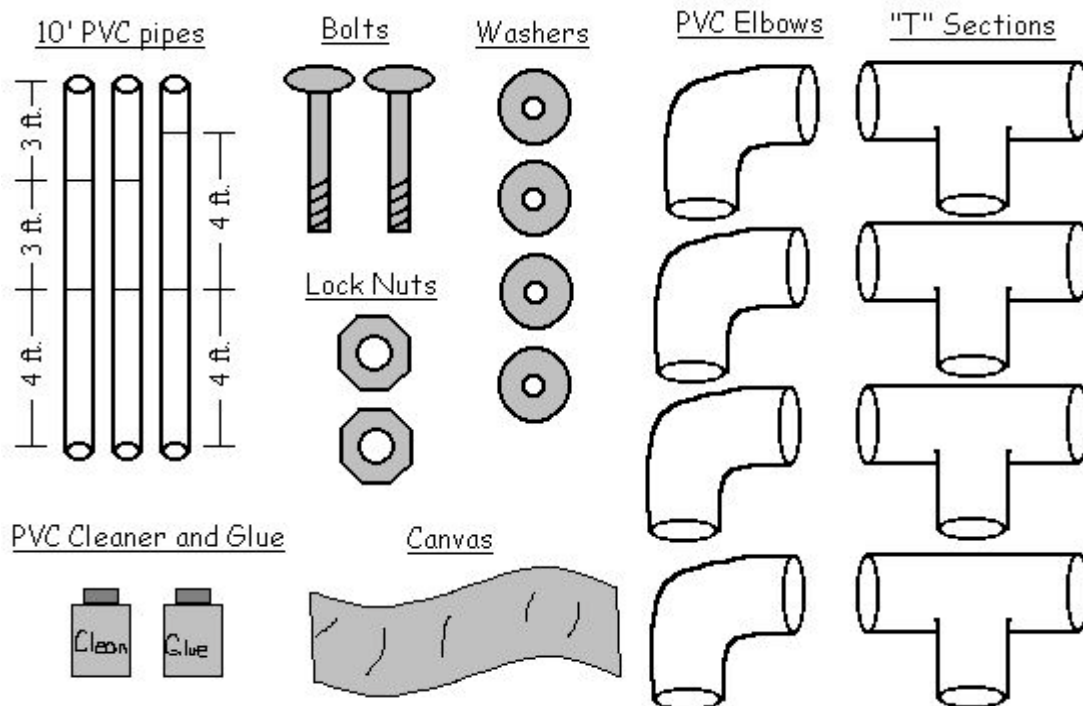


PLANS FOR PVC BUG RACK

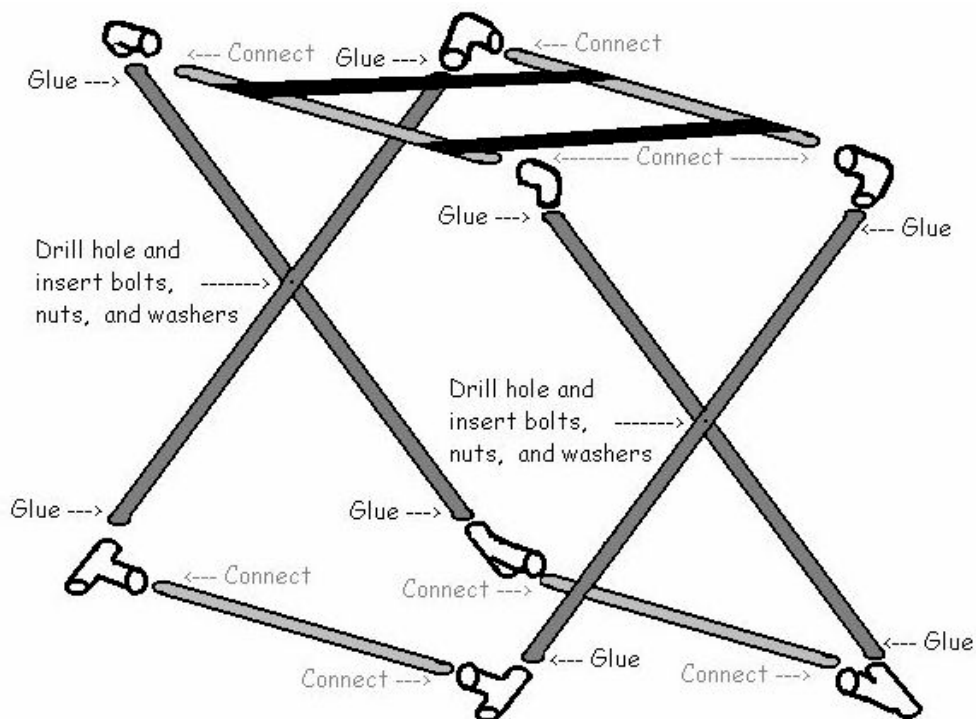
WHAT YOU WILL NEED

- Three 10-foot sections of 1 inch PVC pipe (the high pressure pipe)
- Four PVC elbows (1 inch, 90°)
- Four PVC “T” connectors (1 inch, 90°)
- Two bolts (3 inch x ¼ inch)
- Three lock nuts (¼ inch)
- Four washers (¼ inch)
- Canvas
- Heavy duty thread/twine
- Needle
- Silicone (optional)
- PVC cleaner
- PVC glue
- Tape measure
- Hacksaw
- Pliers
- Scissors
- Drill and 3/8 inch bit
- Caulk gun (only if silicone is used)
- Clean rags
- 1 – 1 ½ hours



HOW TO DO IT

1. Cut the first 10 ft. PVC pipe into a 4 ft. section and two 3 ft. sections with the hacksaw.
2. Repeat for the second 10 ft. piece of PVC pipe.
3. Cut the third 10 ft. PVC pipe into two 4 ft. sections.
4. You now have the legs (4 ft. pieces) and the cross supports (3 ft. sections).
5. Drill a hole in the 4 ft. pieces 2 ft. from the end (in the middle). Make sure it is large enough to put your bolts through!
6. Connect the two sets of legs, the 4 ft. sections, with the bolt (the washers will prevent the bolt or nut from pulling through) and connect with the lock nut.
7. Once the legs are connected, clean the ends with the pipe cleaner and wipe with the rag.
8. Clean the inside of one of the "T" ends (either the left or right end) and wipe with a rag.
9. Put the "T" sections (the bottom of the "T") onto either end of two of the cross pieces and make sure that the "T"s" are lined up the same way. **DO NOT GLUE THESE TOGETHER; IF YOU DO YOU WILL NOT BE ABLE TO TAKE THE BUG RACK APART FOR TRANSPORT.**
10. Apply the PVC glue to both the ends of the legs and the insides of the "T" sections. Remember that the glue sets rather quickly, so only do one at a time! Hint: once this is completed, get something heavy for both sides of the frame so it will stand by itself.
11. Attach the 90° elbows to the other end of the legs in the same manner as the "T" sections. Remember, one at a time!
12. Now that you have the frame built, cut the canvas to a length that will allow you to work off you bug rack at a comfortable height (the shorter the canvas piece, the taller the rack).
13. Loop the end of the canvas around the top cross bar (connected with the 90° elbow) to the desired length and sew the canvas so the loop is closed.
14. If desired, you can silicone over these stitches to ensure the knots do not come apart and to reduce wear on the stitching.
15. Your but rack is now complete. Allow the PVC glue and silicone (if used) to cure properly before using. You should be able to take the entire rack apart (do not take the bolt out of the legs) and put the legs, the bottom segments, and your bug net across the canvas attached to the top cross segments and transport the entire thing like a sling.

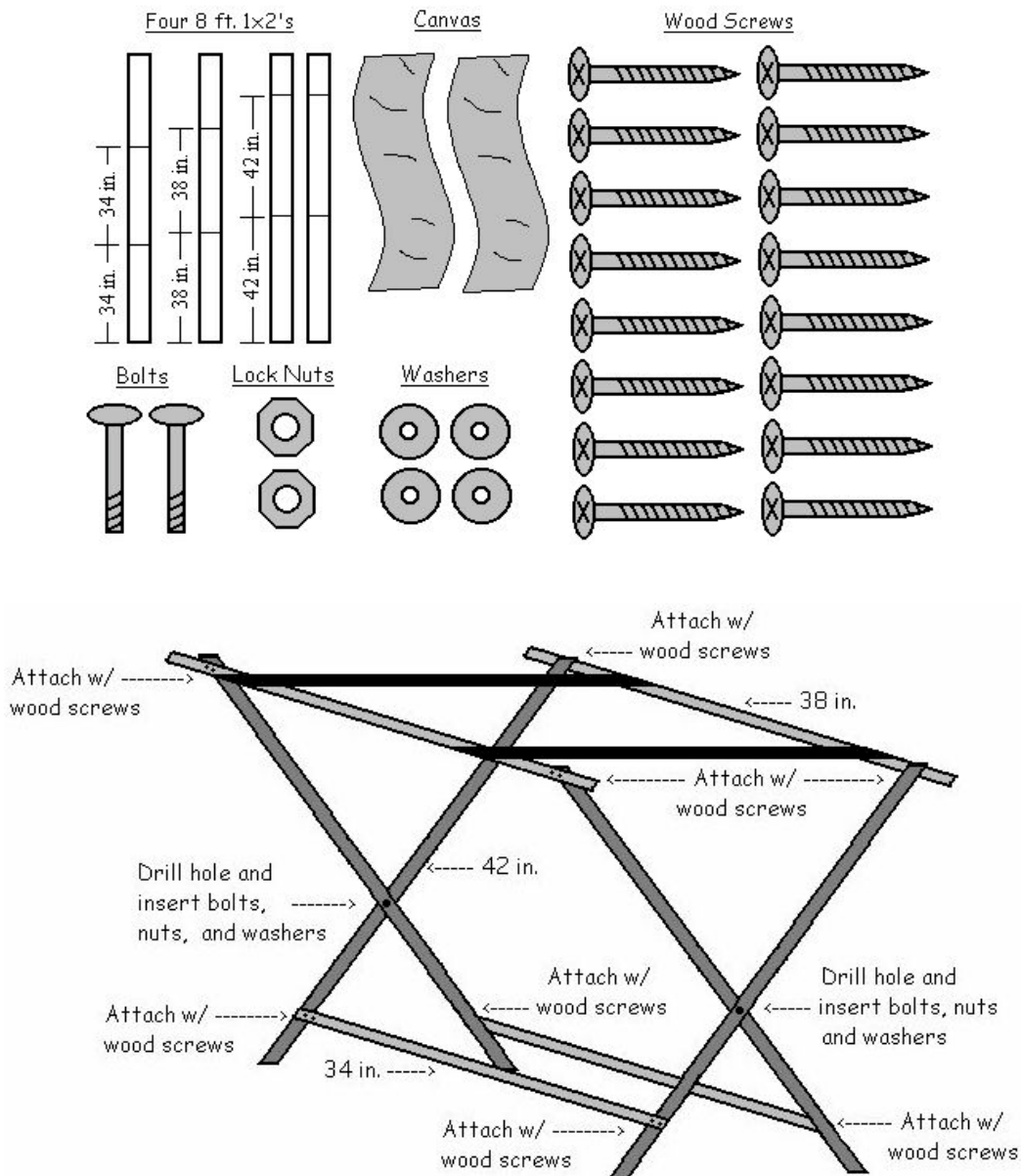


PLANS FOR WOODEN BUG RACK

Mary McBee, Bob King and Debbie Schlink, monitors in Jasper County, have come up with a great idea. A net rack to ease the strain of bug picking! It resembles a tray jack used in restaurants (see photo). Mary says the cost of materials is approximately \$23, but you could make it more cheaply.

WHAT YOU WILL NEED

- Four 1"x 2" boards, 42" long (the harder the wood, the sturdier the legs for the rack)
- Four 1"x 2" boards, one 34", one 36" and two 38" long
- Sixteen 1 3/4" drywall screws
- Two 3" bolts with lock nuts
- Two 6" wide strips of canvas, 40" long



Any material could be used across the ends of the rack, but the wide canvas has advantages. It provides a place to set ice cube trays, forceps and magnifying glasses!