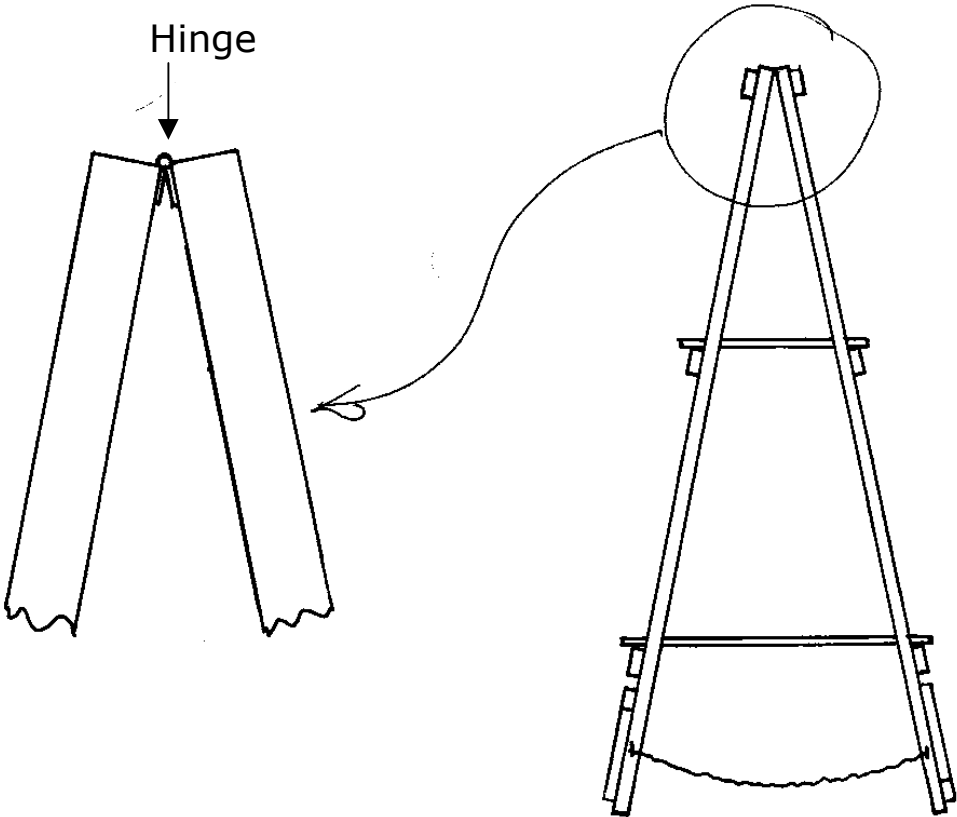
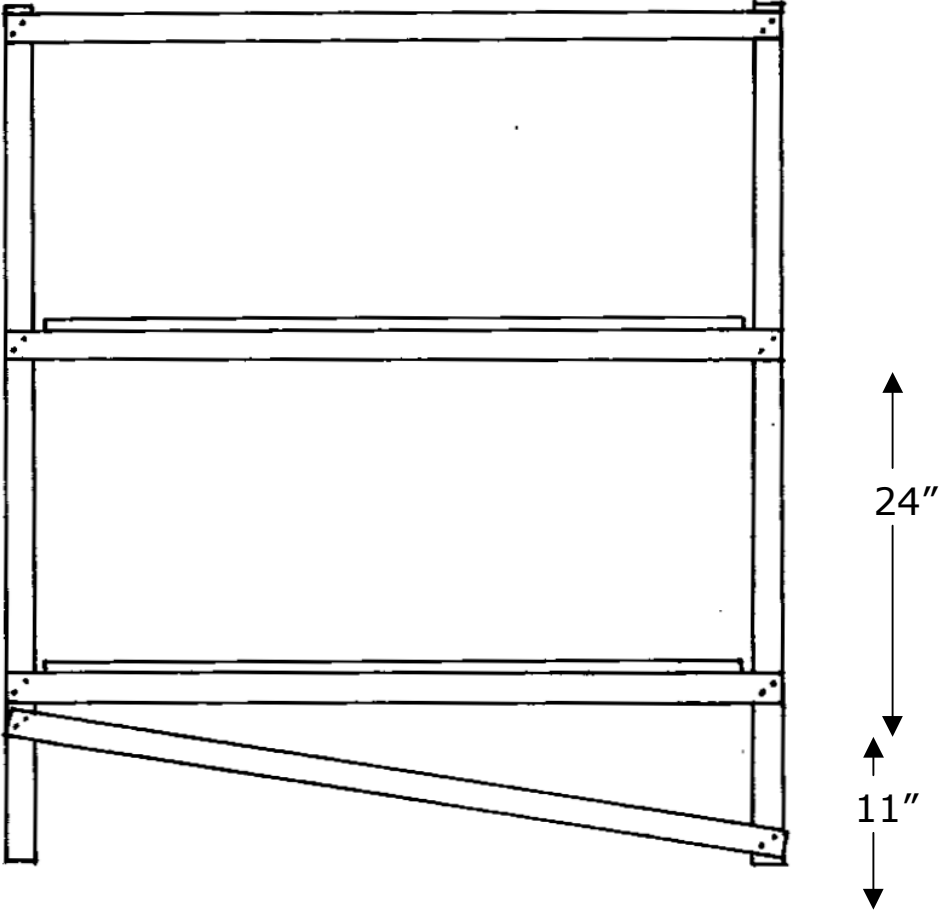


# Light Stand Drawing



## Materials List

Legs: 4 wood 1x2, 60" long (\$10)

Rails: 6 wood 1x2, 54" long (\$13.50)

Braces: 2 wood 1x2, 56" long (\$4.50)

Top shelf: 14-16" wide, 46-48" long (\$4)

Lower shelf: 24" wide, 46-48" long (\$5)

2 hinges, 1" x 2" (loose pin if you want to be able to separate the stand into two halves) (\$3)

4 screw-in hooks (\$2)

4' light chain approx (for leg restraints: can use cord or rope) (\$2)

12' light chain approx (for hanging lights: can use cord or rope) (\$6)

S-hooks as required (can be made from wire) (\$2)

32 1¼" #8 screws (\$3)

12 ¾" screws to fit hinges (\$2)

3 double-tube fluorescent 4ft shop lights with tubes (mix warm white and cool white, no need for full spectrum to grow seedlings) (\$45-\$63)

Timer and power bar as required (\$14-\$20)

**Total cost:** All new \$140. Scavenged/Recycled: as low as \$0

## Instructions

1. Cut parts to size
2. Lay out legs, rails and braces for one side of the stand as shown in the drawing, making sure rails are parallel and the same distance from the bottom of each leg
3. Drill clearance holes at ends of rails in diagonally-spaced pairs to take screws (see drawing)
4. Drill clearance holes at only one end of diagonal brace
5. Drill pilot holes in legs to match
6. Install one screw of each pair, screwing rails to legs
7. Square up the whole thing
8. Drill clearance and pilot holes at the other end of the diagonal brace and install screws
9. Install remaining screws
10. Repeat for the other side
11. Hinge together at the top of each leg pair in A-frame style
12. Place shelves on rails and adjust legs to an appropriate distance apart
13. Install screw hooks near the bottom of each leg, and attach chain or cord between to stop legs sliding apart
14. Hang lights from rails over shelves using S-hooks and chain or cord, and hook up to power bar and timer.