

# Constructing a Wooden Light Rack

## Tools

- flathead screwdriver, Phillips screwdriver, pliers,  $\frac{1}{2}$ " wrench

## Hardware

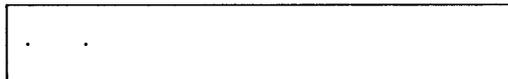
- four  $\frac{1}{4}$ " x 3" wood screws
- four  $\frac{1}{4}$ " x  $3\frac{1}{2}$ " lag bolts with four flat washers
- four  $\frac{1}{8}$ " x  $1\frac{1}{2}$ " bolts with eight flat washers and four nuts
- two  $\frac{1}{8}$ " x  $2\frac{1}{2}$ " bolts with four flat washers and two nuts
- four (18") lengths of chain
- eight S-hooks
- one power cord
- one sash handle with screws

## Parts

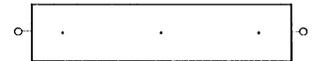
- two  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " x 24" wood pieces (A)



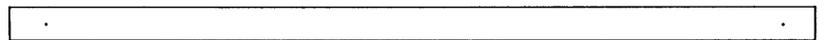
- two 2" x 4" x 26" wood pieces (B)



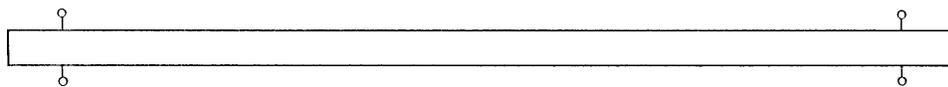
- two  $\frac{3}{4}$ " x  $3\frac{1}{2}$ " x 16" wood pieces with metal eye screws on each end (C)



- one 1" x 2" x  $46\frac{1}{2}$ " wood piece (D)



- one 2" x 4" x 52" wood piece with four metal eye screws attached (E)



## Instructions

Attach one 2" x 4" x 52" wood piece (E) to two 2" x 4" x 26" wood pieces (B) using four  $\frac{1}{4}$ " x  $3\frac{1}{2}$ " lag bolts with washers. Then attach  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " x 24" horizontal pieces (A) to parallel pieces using four  $\frac{1}{4}$ " x 3" wood screws (Figure 1).

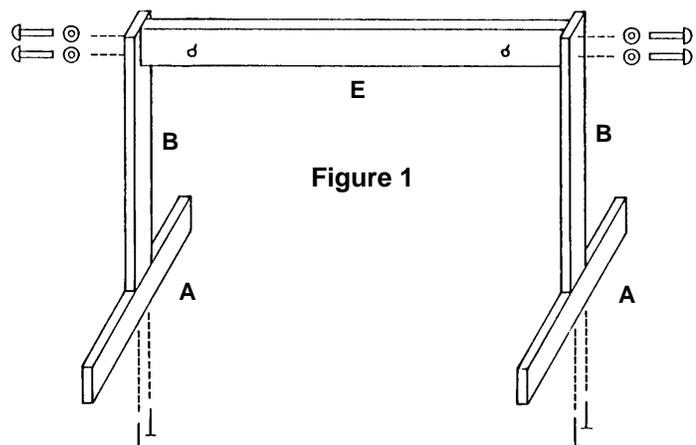


Figure 1