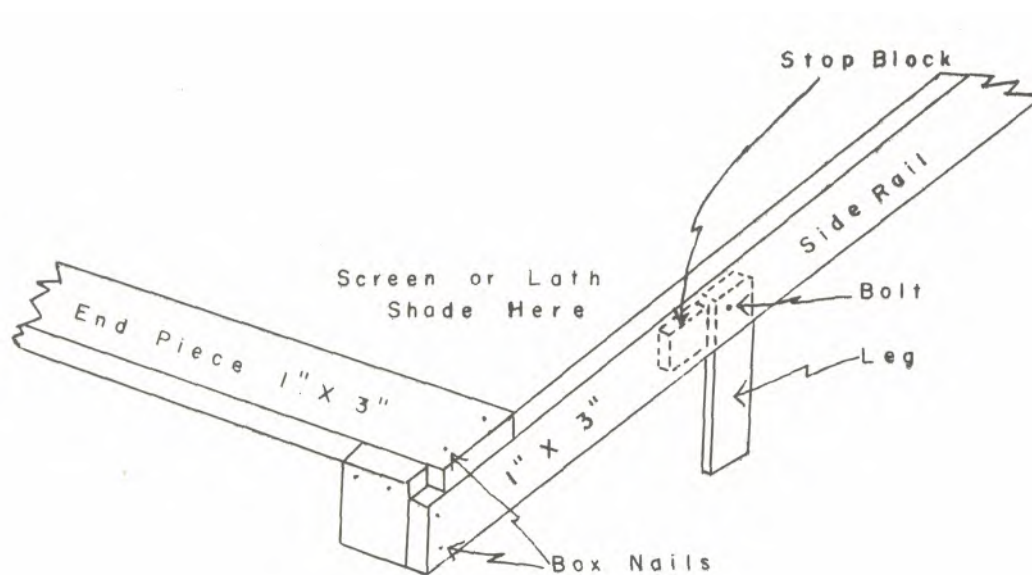


Shade

David Cook

A poll of the nurseries using shade showed very few use shade on the pines, few shade larch, and several shade spruce and balsam fir. Shade is usually placed at seeding and removed during late July or August. Shade has been used mostly as a protection against high soil temperatures.

Shade has for many years been made from 2" x 2" spruce rails with lath to give 50% shade. A folding leg of 1" x 2" x 12" is fastened to the inside of the side rail. A design was exhibited which uses 1" x 3" side rails, screen shade and features a corner design which eliminates end-grain nailing.



Detail of Shade Frame Corner

Also shown in the field was an experimental polypropylene shade cloth with 30% shade and supported by wooden and wire wickets. The shade cloth has grommets to permit fastening at the wickets which can be

spaced at 12 foot intervals. Cost of the material is about 35 cents per foot for 4 ft. wide material with edge tape and grommets at 6 foot intervals. The cloth type shade has an advantage over lath in that spray materials penetrate the cloth more readily and uniformly. New York and New Hampshire have been using Saran shade cloth for several years. Saran is reported to be deteriorating after about 8 years of use.

Nurserymen who have adequate watering facilities are finding that shade can be eliminated from an increasing number of species. Fall seeding combined with mulching and careful watering can be expected to eliminate shading at many nurseries. New York is working hard to develop the technique for growing all species without shade.