come up or sprout the following spring; or it can also remain in the box during the second winter and be planted in the spring when it will come up immediately or as soon as the warm weather sets in, in early May.

SHADING.

As ginseng is a native forest plant, it will only thrive in the shade, not a dense shade however but some sunlight is most essential. The most practicable means of providing the necessary shade is to set posts in the ground, extending about 6½ feet above the ground, fasten boards 1x4 inches edgewise at the top end of the post for joists and crosswise on top of the joists fasten 2x4 rafters, on the flat side, four feet apart from center to center. This will complete the frame work upon which screen made of plaster laths can be laid. Lath screens can be made four feet square, by taking three strips 1x1½ inches, four feet long, and nailing thereon crosswise 24 laths, equal distance apart, these screens when laid on top of the frame work make the proper shade for this locality; in the southern states shade should be a little denser.

These lath screens must be placed over the garden as soon in the spring of the year as the ginseng plants appear above ground and should be removed in the fall of the year when the seed is ripe and gathered. Removing the screens in the fall is necessary in the north or the heavy snow fall would break them, besides the snow is a good protection for the ginseng roots if it falls on the beds.

The rafters of the shade arbor should be so arranged that they are over the paths between the beds, as otherwise the water that gathers on them falls down in large drops and washes out the younger plants.

The outside fence or walls of the garden is best to be built of strips 1x3, nailed perpendicular, leaving a space of one inch between the strips on the south, east, and west sides, and 1½ inches on the North side.

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Fig. 6.—Freshly dug roots of ginseng from cultivated plant. A. One year old; B. two years old; C. three years old; D. four years old; E. bud; F. leaf-scar. About three-fourths natural size.