

## KEY TO OHIO CATALPAS IN WINTER CONDITION.

ALLEN McOWEN.

*Catalpa* Scop. Trees with gray or brownish gray robust twigs; axillary buds small and flat, single, opposite or in threes; terminal bud self-pruned; lenticels large, scattered; pith large, solid, cylindrical, white; leaf scars large, oval or circular, concave, distinct, not united by a connecting line; stipular scars none; bundle scars numerous, in an ellipse or a ring; fruit a long bean-like capsule, persistent; seeds flat, winged, the wings ending in white thread-like hairs.

1. Twigs of the season coarse pubescent, bark of twigs not strong scented nor bitter; bark of trunk rough; capsule very slender, 3 lines in diameter, 6-10 inches long; seeds 6 lines long.  
*Catalpa ovata* Don. Japan Catalpa.
  1. Twigs of the season glabrous; capsule large, 12-20 inches long; 5-10 lines thick; seeds 15-20 lines long, 3-4 lines wide. 2.
  2. Wings of seed usually narrowed at the ends; bark of trunk thin and flaky; an irregular tree with spreading branches; bud scales rather open and spreading. *Catalpa catalpa* (L.) Karst. Common Catalpa.
  2. Wings of seed usually broad, the threads running parallel; bark of trunk thick and rough; a large erect tree; bud scales rather close.  
*Catalpa speciosa* Ward. Hardy Catalpa.
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