

Breeder's Cards.

Under this heading, ads will be inserted for 35 cents a word for one year; 20 cents a word for six months; 13 cents a word for three months. Name, numbers and initials count as words. No advertisement accepted for less than One Dollar. Count the words carefully and **Send Cash with the Ad.**

Saladin Collie Kennel registered Scotch collies for sale at all times. E. L. Love, Newton, Miss.

Immune Polled Durham and Short Horn cattle for sale. R. L. Seale, Livingston, Ala.

Thoroughbred pointer pups for sale at \$5 each or \$8 per pair. Dwight Smythe, Lake, Miss.

Rhode Island Reds, S. Wyandottes, Barred Plymouth Rocks. 100 young stock now on my yard for sale. Write for prices. Some fine show birds. Eggs \$1.50 per sitting of 15. (Mrs.) Chas. A. Rice, Route 1, Middleton, Ga.

For sale registered Short Horn Durham Bull. B. D. Watson, Durant, Miss.

One very fine full blood Hereford male calf six months old for sale. \$50.00. W. J. Bailey, Collierville, Tenn., R. F. D. No. 3.

Southern fertile eggs. White Wyandottes, W. Rocks, Brown Leghorns. Sitings, \$2; three sitings, \$5. 100 eggs \$10. Fair hatch guaranteed. Winners in five states. Circular free. Bruce Bros., Crescent, La.

Registered Red Poll calves of choice breeding. \$50. J. T. Young, Shop-spring, Tenn.

For sale: Several Langshan cockerels. Eggs in season. Orders booked now. Finest winter laying breed known. Write for prices. Wright Smith, Memphis, Tenn.

Closing out sale: Eight varieties pure bred poultry. Mammoth Bronze turkeys. For prices address L. W. Payne, Columbus, Miss.

Planting Catalpa Trees

EDITOR GAZETTE:

I want to grow catalpas for posts, and would be glad to have you publish the best method to be used, including the planting of seed, cultivation, resetting etc. Please tell me whether the seed inclosed are of the species *Catalpa speciosa*, or the one best adapted to my purpose.

Allow me to say in conclusion, that I value the Gazette very highly and expect to send in some subscriptions soon.

C. M. NEWELL,
Algoma, Miss.

Answer by Editor:

The seed inclosed is of the true hardy species, *Catalpa speciosa*. The following extracts made from instructions for growing the catalpa, prepared by the United States Forest Service, will probably answer your need. All those interested should send to the

Forest Service, Washington, D. C., for Bulletin 37, entitled "The Hardy Catalpa in Commercial Plantations." The bulletin is the most complete monograph of this tree ever published.

A deep, fertile, porous soil is essential to good growth in the catalpa; and if there is permanent water within ten or fifteen feet of the surface, so much the better. The tree is not adapted to stiff clay soils, or to soils having a tenacious gumbo sub-soil. But although an impervious layer of clay near the surface prevents successful growth, clay which is not too dense and occurs below several feet of good soil forms a beneficial soil foundation, retaining fertility and moisture. It will pay to use the richest soil obtainable for catalpa growing.

Under cultivation the hardy catalpa is one of the most rapid growing trees. A height growth of two and a half feet and a diameter increase of one-half inch annually for the first ten to fifteen years is not unusual. It given plenty of room, it ordinarily becomes a spreading, round-top tree. In dense stands, owing to its intolerance, the lower side branches are killed by the shade; but if they become more than half an inch in diameter, they cling to the tree for years after they die, thus delaying the complete pruning of the bole.

The rapid growth, durability in contact with the soil, lightness, elasticity, and high fuel value of catalpa wood make the tree one of the most valuable for economic planting. Catalpa wood cut from the living trees is almost immune from attack by fungus diseases, and is one of the most durable timbers known. When used for fence posts it often remains sound for thirty or forty years. Even in young trees nearly 75 per cent. of the wood is heartwood, so that when used for posts the decay of the sapwood does not materially affect the value of the posts. The catalpa has been planted principally for fence posts, telegraph poles, and railway ties. The rich coloring of the wood makes it also well suited for cabinet work.

The catalpa reproduces by seed and by sprouts from the stump. The price of the seed runs from

about 35 cents to \$1 per pound. There are nearly 20,000 seed in a pound, and the percentage of germination is from 40 to 75. In a commercial plantation it is much cheaper for the planter to raise his own seedlings.

The seed ripen in the fall, and should be kept over winter in the pods in cool, dry storage. In the spring it should be thickly sown in nursery rows in well prepared, mellow soil and covered one-half to one inch in depth. The rows should be far enough apart to allow thorough cultivation. Germination may be hastened by immersing the seed in warm water and letting it soak for 24 hours before sowing. In favorable locations the seedlings will grow from two to three feet in height the first summer, and be of suitable size to transplant to the permanent situation the following spring.

Some of the leading catalpa plantations have been planted four feet by four feet, and experience has proved that they were not too thick. At this distance the trees do not crowd seriously for eight or ten years, after which they need thinning. Many trees are then of suitable size for posts, and may be cut with good returns. In four to six years more all the trees should be of marketable size. The plantation may then be cut clear and a new forest started from the stump sprouts, or it may again be thinned and the best trees left standing to produce telegraph poles or railroad ties. Good telegraph poles are grown in twenty to thirty years. For convenience in cultivation many prefer spacing the trees from three feet by five feet to four feet by six feet.

Close planting is desirable to obtain a large yield from the plantation in a few years, and is necessary to crowd the tenacious side branches from the trunk and give the tree a better form. The planter who sets his trees thinly on the ground must do much pruning to secure clean, straight boles.

The Best of All

EDITOR GAZETTE:

I take two other agricultural papers, but think the Gazette is the best of all.

J. T. HICKMAN,
Noxapater, Miss.

Fine Angora Goats

Bucks and ewes for sale. Mrs. Arnold, Kingston, N. M., paid \$1,400 for a half-brother of the sire of my head buck.
W. H. MARIUS,
Ackerman, Miss.

Short Horn Bull For Sale

Solid red, registered Short Horn bull 3½ years old, \$100.

R. M. SMITH, Fayette, Miss.

Poland China Pigs

Subject to registration and fine individuals. I will sell them for \$10 each to move them quickly.

W. M. ELLIS, Starkville, Miss.

BERKSHIRES

Of best type and breeding. Write, explaining fully what you want. If I can't fill your bill, will say so plainly. If I can, will make you prices.
J. W. HAMILTON,
Houlka, Miss.

For Sale or Exchange

One 14-inch Nordyke & Morman grist mill, one No. 2 Corn and Cob crusher, one 50-egg incubator and brooder.

W. A. FIFE,
Hermanville, Miss.

High Grade Jersey Cows

10, some with young calves, all giving milk, for \$300.

ALSO Duroc Jersey hogs.

S. F. Granberry, Wesson, Miss.

HAY 100 tons Bermuda hay and 100 of Johnson grass hay at \$8.00 a ton f. o. b. cars Mayhew, Miss. H. C. Pilkinton, Mayhew, Miss.

JERSEYS FOR SALE

Choicely bred Jersey bulls ready for service. Fresh registered cows and heifers, all well bred.

ARTHUR MONTGOMERY,
Starkville, Miss.

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NEW ORLEANS
JACKSONVILLE

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BETWEEN
ST. LOUIS AND MOBILE
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