

GENERAL POLICY.

The policy in part I have laid down to follow is:

1. To find out the best and cheapest manures for all agricultural products.
2. The best and cheapest methods of cultivation.
3. The tools which do the best work and are best adapted to our soil and crops.

In regard to the two first, I have given some opinions in reporting crops. In reference to the third, I have also made some reports. It may be well to state farther for the information of our farmers, that the one horse Planet Jr. cultivator is a most complete tool, and ought to be on every farm. It does its work well, is easily handled and saves labor. This cultivator will do the best kind of work in a grove or orchard. It is adapted to rough and smooth land, and to land with or without stumps. The Chattanooga Plow Works gives us in the New South the best turn plow I have used. This firm manufactures also cheap and most excellent cane mills. I have just had tested one of their portable furnaces and self-skimming evaporators for making syrup. It is light, easily managed and does good and rapid work. Mr. J. W. Butler, a practical syrup and sugar maker, gave an exhibition of this furnace and evaporator on the station on the 3d of November, which was a demonstration of its superior advantages in syrup making, for cleanliness and for uniform quality of syrup. Juice was kept flowing in the pan at one end constantly, by means of a faucet in a barrel elevated above the pan, and in twenty-three minutes Mr. Butler had syrup running out the other end, which was kept up until the day faded into night.

Clark's two-horse cutaway harrow is a most excellent tool, and for pulverizing rough and cloddy land and for covering small seed after the land is broken up is without an equal. In preparing a piece of land this fall for rye, which had grown up in large weeds and grass, I run this harrow both ways over the field, and it not only broke them down, but to a large extent cut them up, thus making it easy work for a one-horse turn plow to turn under weeds and grass thoroughly.

CORN EXPERIMENT.

The main idea in the corn experiment this year was in selecting a plot of land that would represent as near as possible the average land of the State. Without a practical knowledge of the producing qualities of the plots selected last year, results proved that the quality of land was above the average; one plot bringing 19½ bushels