Che Apiary.

The Apiarx.—The American Bee Journal tries that the nectar of flowers, as gathered by les, is a watery solution of cane sugar. In the pocess of this transformation, the cane sugar secomposed into three different kinds, which obstitute honey. The heat which the bees existin in the hive causes this change; weak add, as well as heat and moisture, can effect similar conversion of cane sugar.

FERTILITY OF THE QUEEN BEE .- The Ameri-Bee Journal, in an article on the Queen Bee, thus freats of the fertility of this insect :-It is an interesting question, how many eggs 1queen may lay in a given time, under favorable Dzierzon estimates the number reamstances. deggs layed by a vigorous queen, during the arming season, at three thousand per day, it he colony be populous enough to cover the mbs properly. This is certainly not incredible, squeens have been known to lay from 200 to Din an hour. Kirsten limits the number at no hundred per day, at the most favorable sean. But, as eggs are hatched and the brood My matured in twenty one days, if this were meet, there could never be more than 4200 4 occupied by the eggs and brood. ald be amply accommodated in a single comb, be inches square | whereas we not unfrequentfind a dozen such combs in a hive filled with mod at one and the same time. On the whole emay confidently assume that a vigorous queen gaunually lay from 250,000 to 300,000 eggs, rat least 1,000,000 in the four years which conintes the average duration of a queen's life. lasy of these eggs, indeed, may not be hatched become fully developed, as the workers are pto destroy brood, especially when pasturage is, or the weather proves unfavorable.

Domestic.

CURRANT WINE —The Germantown Teleaph gives the following directions in regard making currant wine :—

The currants should be fully ripe when picked; it them into a large tub, in which they may win a day or two; then crush them with the red, unless you have a small patent ciderate, in which they should not be pressed too ret, or the stems will be bruised and impart a signeeable taste to the juice. If the hands are red, put the crushed fruit, after the juice has a poured off, in a cloth or sack and press out exemaining juice. Put the juice brek in the bafter cleansing it, where it should remain ree days, until the first stages of fermentation ever, and removing once or twice a day the removing once or twice a day the removing a vessel—a demijohn, keg or bar-

rel—of a size to suit the quantity to be made, and to each quart of juice, add the e pounds of the best refined sugar, and water sufficient to make a gallon.

Thus, ten quarts of j ice and thirty pounds of sugar, will give you ten gallons of wine, and so on in that proportion. Those who do not like it very sweet can reduce the quantity of sugar to

21 or 2 lbs. per gallon.

The cask must be full, and the bung or stopper left off until fermentation craser, which will be in twelve or fifteen days. Meantime the cask must be filled up daily with water, as fermentathrows out the impure matter. When fermentation ceases, rack the wine off carefully, either from the spigoe or by a syphon, and keep it running all the time. Cleanse the cask thoroughly with boiling water, then return the wine, bung up tightly, and let stand for four or five months, when it will be fit to drink, and can be bottled if desired.

Cije Poultry Yard.

To Keep Fowls Free from Vermin.

The London Field has an article on this subject from the pen of John Douglas, professional breeder, from which we make the followingbrief extract.

"There are several kinds that infest the hen. By attending to the following remedy, they will be entirely kept clear. First of all, if in confinement in the dust corner of a poultry house, mix about half a pound of black sulphur among the sand and lime that they dust in. This will both keep them free from parasites, and give the feathers a glossy appearance. If infested with the insects, damp the skin under the feathers with a little water, then sprinkle a little black sulphur on the skin. Let a bird be covered with the insects, and they will disappear in the course of twelve hours. Also, previous to setting a hen, if the nest be slightly sprinkled with the sulphur, there is no fear of the hen being ennoyed during incubation, neither will the chickens be annoyed by them. Many a fine hatched brood pines away and dies through nothing else, and no one knows the cause. Having had an ostrich under my care that was pining, I looked into his feathers and observed thousands of the I employed tobacco-water, also limewater, under my then master's orders, to no ef-In his absence, I well damped him, and sprinkled him under the feathers with black sulphur, when next day they were examined with a microscope, and every one was dead. Having had some macaws, also parrots that were addicted to biting off their feathers, I employed the black sulphur by well syringing them with water, then sprinkling the sulphur over their skins. tame, sponge the skins, then rub gently with the points of the fingers, with the sulphur, every