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RICULTU

the 2471 acres now under cultivation. The land is worth five times as much as previously, and many of the land owners are eager to have the sewage supplied to their properties. When the sewage leaves the farm sof great is the degree of purification attained that a bacterial examination reveals fewer bacteria to the cubic centimeter than is the case of most streams sup-posed to be uncontaminated.—New York Post. Gooseberry and Currant C_i tlings. It is very easy to make ottiings of either currant or gooseberry bushes. A foot length of last year's growth, with the end smoothed off and fixed standing in the soil, will put out roots from its smoothed surface. It is best to only leave one bud above ground. This will make the stem for the future alant. To Domesticate Wild Flowers. Most wild flowers may be made to grow in gardens if provided with an environment sufficiently like their na-tural one. Select a shady place, fer-tilize it with leaf mould, water freely and protect the plants from the sun for about aweek. In removing them trom the woods be careful to get all the roots and to leave as much soil around them as possible.

Making a Hotbed

Making a Hotbed. The ordinary hotbed consists of a pile of fermenting stable manure, overed with a frame and glazed sashes, in which is a layer of fertile soil. The bed should be located where it will be easy of access, but it should be or dry ground, and not where wate could flow over the ground and about its base, even in wet weather. It should also be sheltered from heavy winds, and with a full exposure to the sun. In preparation for a bed the fresh maure and long litter are col-lected from stables and drawn together to the location of the bed, where they



Gestation in Summer. All the domestic animals vary from one to two weeks in the time they bear their young. If the latter part of ges-tation is in warm weather, and when there is plenty of succulent feed, the parturition usually occurs a little sooner than it is expected. If during cold, freezing weather the reverse is the case. It is probable that the more succulent food obtainable during warm weather has something to do with it, by keeping the bowels open and the general system relaxed.—American Cultivator.

Gooseberry and Currant Ct ttings.

Gestation in Summer

ground. This w. the future plant.

general system relaxed.—American Cultivator. Begonias of all kinds grow best in a soil that is quiterich, somewhat sandy and porons. A soil that is heavy, soggy and apt to become sour cannot be used with good results. The mat-ter of drainage is also an item in the culture of begonias not to be over-looked. In potting the plants pro-vide ample drainage by placing broken pottery, einders or some such matter in the bottom of the pots. Tiovering begonias can be bedded out in the summer with success, if plenty of water is given and a fairly sunny, warm location selected for the bed. Those of the Ret type will do best if plunged in a partially shaded location. Both classes should be protected from hot, drying winds, and should never be allowed to suffer for want of water.—Woman's Home Com-panion.

Degonias of all kinds grow best in a solution of the source and the solution of begonias on to be overlaw with good results. The adding being repeated as the bed is finished off to a point at the points provide ample drainage by placing broken in the other. The best of the solution of the points.
Flowering begonias can be bedded to the points with sourcess, if plenty of water is given and a fairly shade location. Both classes should be protected from hot drying winds, and should never be allowed to suffer for another size of a solution of the points.
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The first of the solution of the part solution of the part solution of the part solution of the point of the protected from hot drying winds, and should never be allowed to suffer for another size of derives and the solution of the part solution of the part solution of the point of the protected from hot drying winds, and should never be allowed to suffer for another solution of the part solution of th

A Farm Boller. Portable farm boilers for cooking regetables for hogs and other animals ate now made in many styles, but on many farms the question of expense will lead to the using still of the old-fashioned "set" kettle. It is a com-mon practice to set such a kettle in brick, and leave it exposed to the weather. The kettleis thus constantly being filled with rain, and the top bricks loosened. The accompanying The chief and bed on bod in highs and in severe storms.—Vick's Magazine. Teeding Without Profit. The chief object of feeding should be profit from the conversion of field crops into more concentrated forms for market. When stock can be kept with profit, there is a double profit from the farm—one from producing the crops and one from converting them into meat, milk, wool, etc. But a considerable number of farmers that do not have profitable stock farms, feel obliged to keep stock for the sake of the-manure, skinning all grass and clover fields, and growing other forage for the maintenance of the stock. We want to bear in mind that stock add nothing to the quantity of plaint food in the forage, were it given directly to the soil, but that the feeding robs the average farm of more than half its strength. The stock takes part of it own use, and most farmers do not have perfect anvibuones for scince and



cooking APPARATUS FOR ANIMAL FOOD. out shows an excellent plan for cover-ing the kettle when it is constructed out of doors. This keeps everything snug and dry and presents a much bet-ther appearance than does the kettle that is exposed to the weather. Such a lettle can be located convenient to the various farm buildings, to economize labor in feeding out the cooked food. Whatever may be the relative chemical value of cooked and uncooked food for farm animals, it is safe to say that the digestibility of vegetables is greatly atded by cooking, which is a most im-portant point in the case of feeding

portant point in the case of feeding young animals .- New York Tribune.

and the idea that all growth should be passed through the stables means in actual practice the robbing of the field in respect to the very thing it most needs. If the feed is needed for stock that is come to be Sound animals.—New York Tribune. Sevage Farming. The sewage farm at Acheres, France, which is fertilized by the sewage of Paris, has been successful both for the purification of the sewage and the pro-duction of various crops. The sewage, which amounts to 17,660,000 cubic feet per diem, flows as far as Clichy by gravity, and is there raised one hundred and eighteen feet and dis-tributed over the farm. At present the pumping-station is of 1200 horse-power capacity, but it is to be in-Sewage Farming. The sewage farm at Acheres, France, which is fertilized by the sewage, purification of the sewage and the sewage, which a mounts to 17,660,000 cubic by gravity, and is there raised one hundred and eighteen feet and discreps, only to have half the fertility tributed over the farm. At present the pumping-station is of 1200 horses. Solis may by feel as directly by plow-power capacity, but it is to be in-oreased to 6000, and to deal with the cubit of the Paris sewers would re-quire a farm of 11,120 acres instead of by the first method is much greater.

strength. The stock takes part of it own use, and most farmers do not have perfect appliances for saving and applying the remainder. There is con-tinual loss, the distribution is bad, usually, and if the cultivated field that

usually, and if the cultivated field that grew a second orop of clover or a heavy aftermath of timothy could re-tain it as a mulch to be plowed under at the right time it would get far more fertility out of it than it ever would from the manure made by feeding it, and the distribution over the surface would be far more even. Nine times out of ten the fields need vegetable matter far more than anything else, and the idea that all growth should be massed through the stables means in