Whence Plants Obtain Their Sup-

plies of Food. Plants get part of their food from the air, through their leaves and other green parts, the rest from the soil through their roots. This is proven by a vast amount of laborious and accurate experimenting, carried on for the most part in thes European experiment stations, for the purpose of discovering the laws of plant nutrition and growth.

ing water through their leaves, but the bulk calls on you, you invite her to see your flow-Water,-plants have the power of absorbof their supply comes, and must come, from ar garden, and see how much pleasanter the sere to the soil, and thence to

the plant through its roots. The carbon of plants is taken from the atmosphere. The leaves absorb carbonic acid, and with the aid of light wrest its carbon and oxygen asunder, setting oxygen free, and thus purifying the air, while they retain the earbon. Carbon unites with hydrogen, oxygen and nitrogen, to make up the leaf, and seed, the wood and bark, the gluten, garden. To have no gerden is to take the various tissues of the plant, the root, stem, supplies earton far in excess of the demands from country life. To have a garden is t of plants. The best experiments judicate that the carbon is all, or nearly all, obtained

I have little faith in American wor hydrogen is not definitely settled. It is wielding the state or shovel, but I do know entire source of supply.

Our cultivated plants get the bulk of their ters, and many thousands of dollars have is gratified, but not always. the nitrogen of plant-food. The theory paring the soil, is to purchase garden tools been devoted to the study of the sources of sands of tons over every farm, must be regarded as wrong. The theory that plants in general, and the "large-leaved" plants in particular, as clover, turnips, corn, etc., obtain a good deal of complete corn, etc., obtains a good deal of complete corn, etc., obtains a good deal of complete corn, etc., obtained the corn, etc., etc small indeed. The most of the nitrogen of comed at the table during both winter and our crops is got from the soil through the summer. roots. The soil gathers some nitrogen com-pounds from the air, however, and it is extremely probable that it assimilates free nitrogen, and thus in two ways, stores up atmospheric nitrogen for plant-food. The nitrates in the soil, formed mostly from the enter the earth and nourish the tender the chief natural sources of the nitrogen of plant-food. Ammonia, which, like nitric acid, comes from vegetable debris and from decay of vegetable and animal matter, and reofa. manures, as well as from the air, is also pend. used by plants. Other compounds of nitromany, can also be assimilated by plants.

agricultural plants, through their roots and neglected or illy cultivated ones will be a by the soil, in order to their growth. If the source of pain. Sola is needed in very minute quantities, stres.—Minneapolis Tribune. If at all, by crops. A little of silica is probably necessary to the perfect blossoming and ripening of grain.

To sum up in a few words: "Air and water together yield the materials out of which getting his funeral rites. fully ninety to ninety-eight per cent. of crops nourishment only the two to eight per cent. to tell her age. of mineral matters, which remain as ashes when they are birned, and the one half to the Dominion styles himself "Lorne mower two per cent of nitrogen which they also contain."—American Agriculturist.

A Sevenue box part his siste

The Honey Bee.

cently published, entitled "Locusts and hair.

with the bee. As with the poet, the form, paragraph requesting readers to pray for the the receptacle, gives him more trouble than preacher. the sweet that fills it, though, to be sure, there is always more or less empty comb in Mexico. We believe this makes 487 since both cases. The honey he can have for the the 1st of July, with some of the back coungathering, but the wax he must make him- ties to be heard from. self-must evolve from his own inner con tation; it is like some solemn religious rite; meal.

wax, minute scales of which are secreted bills." from between the rings of the abdomen of __Boyhood is candid, and middle age, ing of the time that is lost. Hence the im- moment, and then replied. "Few and short portance, in an economical point of view, of were the prayers we said." tasting the nectar before it has lost its fresh- what bothers us. ness by contact with the air. Then the comb -When, some years ago an eminent Ausshock of the sweet."

Keresene for Chicken Cholera.

the Poultry World how he saved his flock sion," was the rejoinder, "I think he has a by a prompt use of herosene. Over a hun-very substantil basis for it." dred of his fowls were violently sick, purging, cramping up and refusing to cat. He says: --"I took a pairful of dry corn meal brakes should give away, where would we brakes should give away, where would we recently and to the conductor: "Suppose the brakes about of dry corn mean and mother pallful of from, into which i mixed two beening tablespoonhate of cay, enne peoper. This I rubbed thoroughly together and then poured a pint of raw kerosen upon the whole mixture, which I subsequently kneaded through the mass. I then poured a kettle of boiling water upon the mixed upon a direct anawar, when the conductor replied: "It is all owing to what your past file has been."

—One of our esteemed contemporaries review and religious must that would not bouch it. These I wated and crammed with it—as I they would eat. There were many that would not bouch it. These I wated and crammed with it—as I did also every size, felling or dying bird upon my presentates. I fellowed upon the skyle of feeding and cramming twice as a day for three days, without giving the fowls anything else, and from the beginning of this treatment I did not lose a single lard. I continued it a whole week. This must make them therey. I put into their drink enyment peoper or fincture of from, and even people or of f

PARTIERS WIVES.

Ladies should cultivate flowers as an invigorating and bealthful exercise, both for the health of themselves and also for their

The desire to make one's home attractive and pleasant is prominent in the mind of every right thluking person, not merely for his or her own enjoyment, but more for the sake of their children.

Long before a boy or girl is able to do farm work they could be helping their father or mother in the kitchen or flower gar-

As a general thing, when you ask a farmer's wife why she don't have a nice flower garden, the answer is invariably, "I have no time." Now the old adage is, "where there's What is more delightful when a lady friend time passes away.

A beautiful garden tastefully laid out, and well kept, is a certain evidence of taste, refinement and culture.

It makes a lowly cottage attractive, and lends a charm to the statellest palace. An English writer lately visiting our

I can conceive of nothing more dreary than to live in the country and have no

from the air. The source of the oxygen and Very probable that the water absorbed that all the rest of the work can be accomthrough the rects is the main, if not the plished by women, if they have a love for

There lies the trouble -few of our chilhitrogen from the soil, through their roots.

Many years of labor of the best investiga a natural taste for the persuit, sometimes it

The first thing necessary after well prethat plants avail themselves of the free ni-trogen of the air, of which there are thouessential. With their aid much light work

particular, as clover, turnips, corn, etc., ob-tain a good deal of combined nitrogen (am-monia and nitrogen) from the air by their leaves, is hardly tenable. The gain of ni-leaves, is hardly tenable. The gain of nitrogen from this source, seems to be very share of the vegetables that are always wel-

Those who have had little experience should invest cautiously and in the more balsams, stock, petunias, sinnias, etc., with rived exclusively from the soil. Of these, potash, lime, magnesia, iron, phespheric acid and sulphuric acid, must be furnished to all vated will give pleasure, when a hundred

Plant with care and kill all the weeds available seil-supply of any one of these is deficient, the whole crop must suffer. As regards soda, silica, and chloring, the experimental evidence is not so decisive. A a garden, but will become more and more small quantity of chlorine has been proven necessary for the perfection of some plants, yearly increase your stock and your peas-

THIS AND THAT.

-The height of the season-100 degrees. -A man cares little for his wrongs when -It is evident that the earth is feminine

-The barber of the Governor-General of

-A Syracuse boy put his sister's switch

into a cannon for wadding on the Pourtle. The following is from a little volume re- He said that was the proper way to bang her

-Another revolution is in progress

-" Landlady," said he, "the coffee is not sciousness. When wax is to be made the settled." "No," said she, "but it comes as wax-makers fill themselves with honey and | near it as your last month's board bill does;"

they take hold of hands or hook themselves -" You love me?" echoed the fair young together in long lines that hang in testeons creature, as her preity head cited the collar from the top of the hive and wait for the of his summer suit. "Yes," he said tenderly, "you are my own and only-" "Hush !" "After about twenty-four hours their pa- she interrupted, "don't my that-be original. tience is rewarded, the honey is turned into | That sounds too much like Barnum's show

a recent device by which the honey is ex- - The game laws should be amended some tracted and the comb returned intact to the more. It is all right to impose a fine for bees. But honey without the comb is the shooting game out of season, but what is perfume without the roso-it is sweet mere- wanted now is a clause inserted to enable a y and seen degenerates into causly. Half man to shoot game and catch fish in season. of the delectableness is in breaking down | We have found it easy enough not to shoot these frail and exquisite walls yourself, and game out of season. To kill it in season is

is a sort of shield or foil that prevents the tralian was inspecting in that country a tongue from being overwhelmed by the first | lunatic asylum, miserably defective in construction and appointment, he asked what certain patient. "He thinks he is in hell, A New England poultry keeper tells us in sir," was the reply. "If that's all the delu-

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