OBACCO PROGRESS.

pments In Connectiont Valley. Amagrivania and Ohio. nvestigations of the soils of the tient valley, together with the of the climatic conditions prethere and the conditions of in Florida, Cuba and Sumatra ed me that a finer commercia d leaf should be grown upon f the soils in that state. The tion of the soil map of a portion Connecticut valley from South bury, Conz., to South Hadley. gave a basis for an intelligent investigation looking to the imest of the Connecticut leaf. 1899, Mr. Floyd went even and in co-operation with secticut experiment station fera lot of tobacco according to improved Florida methods

been developed from the d in Cuba and Sumatra. of this experiment were the growers and dealers to in the uniformity of color its obtained by the usual case fermentation. It was and trash (ordinarily sold 1 to 11/2 cents per pound) fermented made fair fillers were valued by several firm: no knowledge of the origin of eco at from 18 to 40 cents per

mality of the leaf as much as and climatic conditions seemarrant, a further line of exwas planned in co-operathe Connecticut experiment on closer planting and partia of the growing plants. Florida Sumatra seed was also intro ind the experiment is being with profound interest by the cut growers and dealers. The we made a wonderful growth es appear perfect in form and and the results of the fer are awaited with the most too work so far done in th

cut valley I am satisfied that atra type of leaf can be proere under shade, having all ble qualities of a small leaf. veins and great elasticity. 3 lbs. a desirable uniform color grain and style. Samrmented leaf grown this been shown to the ork packers, who have perfect th texture

> experiment with the Ohio leaf to see these may be is my purpose next other methods of ation and probably th the expectation successful in imof the filler leaf we have been in

department of

he a little difficult to

the ability and soon come now do their tely that ere es that will portion of the the root. Then which is richest easily be cut and

the legume fames and counHINTS FOR THE FARMER.

FEEDING THE COLT.

The first winter makes the herefore he should have the very best care. If he has been taught to eat cheap. rain and hay before he is weaned he will take to his winter's feed much more kindly. Many a colt does not hrive the first winter because he has been poorly weaned. Separated from his mother before learning to ear grain and hay and put on dry innutri ious food, his coat soon stands on end, he loses flesh and becomes a most forlorn, dejected looking object.

Two things are to be guarded against in feeding the colt. First, the feed must not be too bulky, for if it is, the colt will not be able to get sufficient nourishment out of it and will grow with a "weedy" look. A "big belly" on a colt is not objectionable, provided it is within bounds. Many stockmen foolishly look for the trim. tidy form of the mature animal in the young colt. The digestive tract needs to be developed to a moderate extent distention with coarse feed so to serve its full purpose when the animal is grown. Withholding coarse satisfied that the change feed to keep down the size of the belly ethod of fermentation improv- and feeding concentrated grain is the smaller ones. second thing to be avoided in feeding colts. If too much rich food is given the digestion is apt to be impaired, with the result that the animal becomes a "hard keeper." Liberal feeding must be counterbalanced by abundant outdoor exercise. Liberal feeding and close confinement ruins many a colt, as well as underfeeding.

Oats lead as the best grain for feeding colts, as they possess a liberal amount of bone and muscle forming constituents. But mixtures of shorts and bran, with barley, peas and corn can be fed successfully and especially so when these products, are cheap and oats dear. The daily allowance of oats for a colt is as follows :-

Up to one year of age, from 2 to From one to two years of age, 4 to

From two to three years of age,

This gives an idea how much to thing which has ever feed, and with it there should be ample roughage, as hay or straw but roughage should always be fed in just a little less quantities than the colts would eat had they free access to it. Steamed crushed oats and barley or bran make good varients occasionally.

also do roots, cooked and crushed Lain, or bran, stirred in. A small losely approximating quantity of this kind of feed given leaf from Cuba can daily preferably at night, or even two these results cannot or three times a week, will have its effermentation of the fect in producing a better colt with a more thrifty general appearance.

FATTENING FOOD FOR SHEEP.

ped. We don't fatten now, we feed My nervous system was badly shatthe sheep for market. And in good tered, so that the slightest noise feeding the sheep will take on as would startle me, and my sleep at flesh succulent. Even now mutton tion. I was under the care of three eaters complain of the excess of fat, different doctors at various times, which is a waste of good food, and no but did not succeed in getting more t is bringing a one wants it. Feeding on the ordin- than the merest temporary relief. s timothy hay, ary rations of alfalfa or clover hay, also used several advertised mediable to sell at with a pint of corn a day, is sufficines, but with no better results. I cient for a lamb; for a two year-old was finally urged to try Dr. Williams' or older sheep this ration may be in- Pink Pills, and got half a dozen boxcorn, with as much alfalfa or clover hay as will be eaten without waste.

Over feeding to fatten an animal will put in the fat on the intestines or about the kidneys, where it is a waste. The fat should be intimately mixed with the lean meat, and to do this fattening must be a part of the to improve their growth. This, necessarily, cannot be when they have the made in a few days, and thus the practice of feeding lambs all through the winter, slowly gaining good flesh, will be more judicious and effective than to feed highly for a few days or weeks with grain food. All the successful experimental feeding tests have been made during some months. be best advan- nine or twelve in the most successful and standard trials, and we cannot expect to gain similar proportionate esults with a few weeks excessive feeding, the results of which may be to make fat where it is not wanted. and so throw away the money spent.

KILLING LICE ON CATTLE.

The following formula answers well for the purpose, and it is not costly Take one half pound of soft soap or ordinary soap, in case soft soap cannot be obtained. Put this in one gallon of water and boil it gently until the soap is dissolved. Remove from the stove and add two gallons of coal lands, oil. Then heat until the soap water and oil are thoroughly diffused, stirring the mixture gently in the mean- soundly whipped a tough character. time while it is heating. Next dilute; the same by adding to it eight or ten the offender was brought up for trial. times its bulk of water. Apply the The jury were out about two minmixture with a cloth or brush. If ap- utes. is plied with a cloth the hair should be Well, said the judge in a familiar, still, and contain more indigestible the pea. brushed at once thereafter to distri- offhand way, what have the jury to coun- bute the application all through the say? grown hair. In about ten days make a second May it please the court, responded Pea- application, as then the nits will be the foreman, we, the jury, find that hatched. Stray lice may also have the prisoner is not guilty of hittin' come from the bedding. The work with intent to kill, but simply to will be more thorough if the bedding paralyse; and he done it. ithe application or immediately there evation.

after and the floors of the stalls lightly sprayed with the solution. But ordinarily two applications of the mixture will suffice when the application is carefully and thoroughly made. Those who have live stock should save this paper or cut out and preserve this colt, formula unless they have some other that they consider as good and as

> RATIONS FOR GROWING PIGS. The best food that can be fed to growing pigs is plenty of skimmilk, together with a grain ration composed of one-third shorts, ground peas or oaks and the balance corn meal. Give room for plenty of exercise and clover pasture to feed on. The skimmilk and clover are not always to had, but there is no reason why the corn ration cannot be supplemented with some one of the three grains mentioned. No one can afford to raise hogs if he confines them to a pen. The corn-fed hog is not so vigorous as the one fed on a variety of feeds and more liable to disease.

> > POULTRY.

During cold weather add a few chopped red peppers to the vegetable food Beets are good for fowls during the winter. Split the larger roots and let

Out meal is an excellent food for young fowls that have not wholly feathered before winter. Bought by the barrel it is not expensive.

Coal ashes for the dust box should be run through a medium sieve. They good for a disinfectant on dropboards. Wood ashes should never used in a poultry house.

BROUGHT ABOUT THROUGH THE USE OF DR WILLIAM'S PINK PILLS.

Mrs. Peter Beamer Tells How These Pills Rele sed Her From Years of Neuralgiae Pains After Doctors and Other Hedicines Had Falled.

Among the best known and most

respected residents of the township

of Gainsboro, Lincoln county, Ont., are Mr. and Mrs. Peter Beamer. For a long time Mrs. Beamer was the victim of a complication of diseases, which made her life one of almost constant misery, and from which she nearly dispaired of obtaining relief. To a reporter who recently interviewed her, Mrs. Beamer gave the following particulars of her illness, and ultimate cure :- "For some nine years was troubled with a pain in the back, and neuralgia, which caused me unspeakable misery. The pain in my back was so bad that whether sitting or lying down, I suffered more or less torture. My appetite left me; and I suffered from headaches accompanied by attacks of dizziness that This term fattening should be drop- left me at times too weak to walk. much at as may be needed to make the night was broken by sheer exhauscreased to twice the allowance of es. In the course of a few weeks I noted considerable improvement, and as a consequence, I gladly continued the use of the pills for several months, with the result that every symptom of the malady left me, and I was able to do my housework without the least trouble. As several years have passed since I have used the pills, I feel safe in saying that the cure is permanent, and the result also verifies the claim that Dr. Williams' Pink Pills cure when other medicine fails." The reporter can only add that Mrs. Beamer's present condition indicates a state of perfect health, and speaks louder than mere

> have been to her. Dr. Williams' Pink Pills have restored more weak and ailing women and girls to robust health than any other medicine ever discovered, which in part accounts for their popularity throughout the world. These pills are sold by all dealers or may be had by mail at 50 cents a box, or si boxes for \$2.50, by addressing th Dr. Williams Medicine Co., Brockville

words can do, the benefit these pills

NOT VERY GUILTY.

Somewhat suggestive of the Scotch verdict, "Not proven," is the judgment rendered in a Western town, when the most popular citizen had To vindicate the majesty of the law,

is well cleaned away before making plause, and the prisoner received an

post card with your name and address will bring you free sample of

CEYLON GREEN TRA

"Salada," Toronto.

NOURISHING BREAD.

The whole loaf is the subject of an important governmental, scientific investigation, which has recently been concluded. To teach the poor man how to obtain the best bread for the sible for an unprofessional person to least money; to teach the dyspeptic the relative digestibility of the various staffs of life; to teach the housewife valuable points in scientific quiet. The sufferer should bread making; to teach the general public how to detect the evils of the bakeries-these are the prime purposes of this work.

The stomachs of people selected from different walks of life have been fed various qualities of bread and subjected to scrutinous study. These subjects were required to eat in meals should be partaken of under conditions as nearly normal as possible. The food of each man was always be used, as exactness is of kept separate.

ment began the subject was given a to such varying quantity in measuresupper of milk only. During the ment. When the medicine is given two following days the food was lim- in drops a dropper is useful to secure ited chiefly to the bread to be investi- uniformity in the doses. It is somegated, and, generally, milk, butter times difficult to get the drops to fall and coffee with sugar. Each man regularly over the edge of the botwas given as much of this limited diet | tle, too much of the contents comes as he wanted. Whenever a new out at once, and is wasted if it is loaf of bread was needed it was being dropped into water. This can weighed and quartered, one quarter be avoided by moistening the edge being analyzed by a chemist. In first, or holding the cork so the drops fact, all food furnished was weighed will fall from it. When a person is and analyzed.

ilarly tested, as was that eaten but ing medicine; it can be put in the not retained by the digestive sys- mouth without raising the head from weights and ingredients of food cohol, will cleanse a glass that furnished, the amount actually di- has contained oil. The utensils used gested was determined. White, gra- in giving medicine should be carefully ham and entire wheat bread were in washed and dried after each dose. this way compared.

White bread yielded the highest percentage of digestible nutrition. Entire wheat bread, made from flour not containing the three outer layers of bran, ranked next. Graham bread, from the whole wheat grain, gave the lowest percentage of di- door." gestible nutrition. This result will be a great surprise to dyspeptics, among whom the eating of "whole wheat" or "entire wheat" breads no noise. has become a fad. Wheat flours containing part of the wheat bran were discovered to furnish the body more mineral matter than fine white

Whole wheat bread is less digestable tuan that made of the white of the grain alone, most probably because the bran is filled with sharp, rough particles, which irritate the membranes of the intestines, and thus hasten food through them. The part in the bottom bran layer which contains its nitrogen does not seem to be thoroughly digested. The fat in the germ of the grain when ground into whole wheat flour is apt to grow ranoid.

Of the graham and so-called entire wheat flours it is discovered that only the former contains the whole wheat ground up. This, invented by Dr. Silvester Graham, an American physician, is made by simply washing and cleaning the grain and then grinding it all between two stones. "Entire wheat" flour is found to be made by running grain through machine which removes the three outer layers of bran. In this way the supposedly useful under layer is retained. The best white flour is now made by removing the bran from wheat and then running it through five or more pairs of rollers, set nearer and nearer together.

Valuable rules by which the housekeeper can judge good bread flour offhand are given on the basis of these investigations. Its color should be white, with a faint yellowish tinge. After being pressed in the hand it should fall loosely apart. If it stays in lumps it has too much moisture in it. When rubbed between the fingers it should not feel too smooth and powdery, but its individual particles should be vaguely distinguishable. When put between the teeth it should crunch a little. Its taste should be sweet and nutty,

without a suspicion of sourness. Wheat is the best breadmaker of all grains. This conclusion is arrived at after experimenting with al of the cereals out of which the world's daily bread is made. less clastic and clinging loaf, heavier and not so well raised. Rye bread wheat bread, but less digestible. matter. Corn contains more fat, but less tissue building materials than wheat. Its flour contains no gluten, and this is why the housewife cannot use it alone in making a good loaf. raised with yeast.

The world is a prison from which as

Advice for the Sick Room.

Quinine should be taken half an hour before meals; iron, oils and solds after eating, that they may be digested with the food. Iodide of potassium is always given after meals; it is said then to be less liable to disorder the digestion. When a medicine is ordered to be given "three times a day," the doctor should be asked whether it is to be taken before or after meals. In cases severe illness this direction means once in eight hours, for day and night are alike then to nurse and patient. An opiate should never be given without the doctor's order. It is impostell when it may do harm. When sedative of any kind is given room must be darkened and the right side and try to sleep. nurse must take care that the feet are warm and the bed coverings com-

fortably arranged.

When there are noises in the street or in the house, that cannot be controlled, a piece of cotton, wool or waste pressed into each ear will obviate the difficulty, as far as the necessary stillness. A glass to measure fluids should algreat importance. The size of spoons The evening before each experi- differs so greatly it is not safe to trust very ill the covered spoons sold for Afterward all not eaten was sim- the purpose are convenient for giv-By simply subtracting the the pillow. A little ammonia, or al-

> THE ANCESTRAL RELIC CHASE Haven't you any of your grandmother's old things, Mrs. Newdash? No; but I've got a lot of candlesticks, old tables and chairs that belonged to a woman who lived next

A true actor never overacts his part Time is a file that wears but makes

OF THE POLICE

Falls Chief Constable Arrests an Enemy.

Peace After a Hard Fight - Robert J. McGowan Captures and Fore the Career of the Only Foc

(Special.)-Robert J. McGowan, the popular chief of police, has been for a daughter, Mary Esther Lee, went to long time annoyed and seriously live in Stuttgart. The daughter was handicapped in the performance of his duties by rheumatism and gout. A gained access to the best society there. friend suggested Dodd's Kidney Pills In Stuttgart she met Prince Frederas a remedy. He tried them, and was ick of Schleswig-Holstein, who recured. To-day he is well as ever. He has given the following for publica-

Smith's Falls, Ont. Dodds Medicine Co., Limited, Toronto,

Gentlemen, I was recommended take Dodd's Kidney Pills for rheumatism and gout, from which I was great sufferer. The pills seemed just to fit my case.

I had been under the care of tw eminent and skilled medical pract tioners, and I have tried no end patent medicines, but the first relief came with the first box of Dodd's Kid-

I certainly recommend them to a who suffer as I used to from rhoumatism or gout. I am now perfectly

If it will be of any service to rou you are at liberty, to use my name and testimonial.

ROBERT J. McGOWAN. Chief of Police.

Mr. McGowan's popularity will make the above story one of interest to many people in his neighbourhood, and the province generally. What he has done anyone may do with the same means-Dodd's Kidney Pills. They never fail.

It is sometimes easier to step into

and that is Catarra. Hail's Co

FOR OVER PIPTY YEARS

A woman's beauty is never consider-

Laxative Bromo-Quinine Tableto

Many a man who suddenly rose to

results will surprise you.

DANGEROUS BABOONS.

A hunter, while exploring in Borneo, another man's shoes than it is to walk shot a large baboon at a spring some in them. distance from camp. So says an exchange, which proceeds to relate the dangerous result of the shot. ern that there is at least one dreaded animal fell with a sharp cry, and immediately another baboon came sight and gave a loud yell. While the hunter was preparing to newcomer, a small army of baboons appeared, and the hunter realized that he was in danger of being pieces. One full-grown baboon work. The proprietors have se much faith in its curative powers, that they offer one Hundred Dollars for any case that if falls to ours, Send for list of testimonials.

F. J. CHENEY & CO., Teledo Q. easily a match for a man, and a bundred are to be dreaded more than as many wolves. The hunter promptly took to his heels, with the baboons after him. Occasionally be paused and shot the nearest one, but he would have been overpowered had not his the child, softens the gums, alleys pain, cures wind co ice and is the best remedy for diarrhose. Me a bottle. Sold comrades sallied out from the camp, and with a general volley compelled the pursuers to retreat.

SHE SHOULD.

ed a good recommendation by another Do you know, Mr. Tenspot, said Miss woman. Kittish, I lost my trunk on the railroad, and it had all my good clothes in it. Can't I make the railroad pay for

You surely are entitled to re-dress, declared the young man.

LA POMPADOUR.

What's the matter with your hair? asked Cawker of his wife, when she appeared at the breakfast table. What seems to be the matter?

It has an unshoveled appearance. Gunning-Yes, I've been away for week. Been shooting, you know

at the market as you want them.

eminence neglected to take a parachute with him. MONTREAL HOYEL DIRECTORY. The "Balmoral," Free Bus AM. Plan AVENUE HOUSE __ MoGill - College Avenue Family Hotel rates \$1.8 great sport; bagged a dozen ducks.

Storer-I'ts all right, I suppose, if you The man who boasts of wanting but can't get them any other way; but little here below is usually the first then it's so much better to buy them to kick for more room in a crowded

CEYLON and INDIA TEA GREEN OR BLACK.

There is nothing artificial about these teas. The purity is unquestioned, the flavor is delicious, the bouquet is a revelation. If you have never tasted British grown teas a treat awaits you. Japan tea drinkers try Ceylon Green.

VON WALDERSEE'S WIFE.

Field Marshal Count von Waldersee undoubtedly owes his selection to the leadership of the international forces in China to the friendship of the German Emperor, which he has enjoyed for many years, and to the influence of his wife, who has been popular with the royal household of Ger-Ends many since the present Emperor as-Ever cended the throne. She is the daugh- CALVERT'S ter of a New York grocer who came Smith's Falls, Ont., Jan. 28th, to the metropolis from Connecticut. When he died, his widow and his an attractive young woman and nounced his title to marry her. This was in 1864. The prince was over seventy years old, and his bride was twenty-six. They made a trip to the Holy Land, and there, six months after the marriage, the prince died, leaving a fortune to the young widow of about \$4,000,000. Soon after the death of Prince Frederick, the Emperor of Austria made his widow a princess in her own right under the title of Princess von Noer. From that time she became a conspicuous figure in Europe, but in political rather than social circles. She is credited with having brought about the marriage between the German Emperor, who was then Prince William of Prussia, with the Princess Augusta Victoria, her grand-niece by her first marriage, in the face of the protestations of the young prince's mother. The Princess von Noer became the Countess von Waldersee two years after the death of her first husband.

> In 1838, the first year of the Queen's reign the Army and Navy together cost £12,600,000; in 1898, £40,000,

She is six years younger than the

field-marshal, and despite her snowy

hair she is still considered a beauti-

ful woman.

When everyone has tried Blue nubbon beylon dea there will be no need to advertige it:
Once tried, always used:
Aut up Black Kisses & Ceylon Green A REGULAR THING.

Daughter, said Mr. Giddings, is that young Mr. Dinsmore a man of reguiar habits! O, yes, papa, replied Miss Giddings. He proposes regularly every Thurs-

W. P. C. 1061.

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