

IMPROVEMENT OF STOCK.

connected with his surroundings. If them so valuable as producers of he does not have capital to buy good stock, he at least has time to time he will, as a rule, find it the while enabled to maintain itself they had learned to buy what they from his work, wanted and not what the other man Good live stock on a farm has a wanted to sell. To the man who moral influence that should not ness carefully, there is little danger better farmers, and to interest doing

A PROFITABLE BUSINESS.

ticular breed he thinks most suitable tent with scrub stock, nor will flock or herd, and replace others that and soon becomes worthless. cress will show an improvement, and of farming he is doing. by the time he has females with four straight crosses of an improved with the unimproved stock would orchards: have. He does not run in debt and to be taken up and used by the course

FIRST MARKED OUT

and will shift from one breed to another so that his stock becomes morgerlized, and no better for practical purposes than when he first began its improvement. Or he may get a halfblood male that looks so good that he decides to breed to him, and a greater mistake could not be made, as the progeny is nearly certain to show more of the scrub dam than of the half-blood sire.

that unimproved animals, or scrubs, are strongly bred, as they are the result of their environment. They have been neglected, and nature, which nover makes mistakes, adapts them for their surroundings. The more they has been applied to decaying plants,

are neglected the more worthless they become to man, and the better fitted, they become to stand hardships and privations. Thus the improved hog, if turned loose in the woods, in a generations becomes a razonback, the Shorthorn or Hereford as lean, gaunt and muscular as a Texan long horn, and the mutton sheep of these is the discovery of the exisgains in speed and activity at the To the farmer who has his land expense of fleece and mutton. The ten- and other warm-blooded animals livin good condition to furnish what dency of all live stock is to revert is necessary for the proper care of to its natural condition when left to It is hoped that the fact that cancer Hve stock, and has become convinced care for itself, and the Holstein or that it would be to his advantage to Jersey that gave milk nine or ten make a start in the work, the next months in the year, in a few generaquestion is, how shall I begin? This tions dries up as soon as its cald is looks like an easy question to an- weaned. It has been the skill of the swer, but it is not, as it must be breeder, added to shelter and genersettled with due regard to his financi- ous feeding that has given us the imal standing and other circumstances proved breeds of live stock, and made

FOOD AND CLOTHING.

grow it, so that he must determine As soon as the feed becomes scanty which he shall depend upon most in and no shelter is provided, the anihis work. If he decides in favor of mal reverts to its natural form, and safest plan, as very few men can go unable to do any more. The condiinto the market with a sum of mon- tions that produced the improvement ey, purchase freely in any line of in the first place must be continued stock, and feel entirely satisfied with or all that has been gained will be the result. We have seen a good thrown away. It is therefore importmany herds and flocks started in that ant that the farmer arranges to promanner, and many proved failures. vide food and shelter before starting Those that did not were saved by to improve his stock, for if he does changing their breeding stock after not he will never realize much benefit

starts in slowly, and studies the busi- ignored. Its tendency is to make of less and good opportunities for farmer and his family in improving started it into activity, and it devetheir surroundings. It also develops sociability, for good cattle, ly wrong way. or sheep, or hogs, will always draw If the farmer has some ordinary the attention of neighbors. It also have now established the nature of native, or unimproved female stock acts as a strong incentive for them the cancer cells, the method of their on hand, progress is comparatively to improve their stock also. Good growth, the possible connection of easy and not at all expensive when stock, therefore, is always doing mis- | their growth, and the irritating the returns are considered. He pur- sionary work in a neighborhood, and causes which provoked it, incidentalchases or uses the improved sires is a benefit to the entire commubity. owned by his neighbors of the par- A good farmer will not long be con- a development of the embryonic tisfor his purposes. Having made the scrub farmer ever keep improved first cross he should stick to the stock. If he starts in, one or two same breed, selecting each time some things will happen, either the farmer of the best females to add to his improves or the stock deteriorates, are not up to his standard. If sires kind of stock a farmer keeps is thereare carefully chosen each succeeding fore a pretty good indeff of the kind

FERTILITY OF ORCHARDS.

breed, he has animals that are practi- | From an article on fruit growing cally as useful to the farmer as if | by a correspondent, we take the folthey were pure bred. His added cost lowing remarks on the necessity of to accure such animals, compared keeping up the fertility of the soil in

have cost him, would be in a little | 'We have often heard the question better feeding, the cost for use of im- asked as to what would be the best proved sires, and better shelter than fertilizer for orchards, and I know is usually given scrub stock. This many cases the answer has been would only be a small part of the brains. Now in the use of brains benefit he would receive from the im- as a fertilizer I think we would find provement he had made. Whether the something more expensive than comimprovement had been made in cat- mercial fertilizer, as we call it. One tle, sheep or hogs the results would cannot make a free use of their brains be equally good. Meanwhile he had in studying out what they shall use. learned the business of caring for the The soil and the plant food it constock, making the best selections for tains are something like a bank. So carrying on the work of improve- long as your deposit is good your ment, and at a minimum of cost. checks are honored, and the larger This is the safest plan for the new your deposit the better your credit. beginner, and substitutes time, which | We can see from this that the soil is he has, for money that he does not a kind of storehouse for plant food have to pay interest. The danger is crops. The soil where we grow our that he will not persistently follow | trees has been mostly deribed from the breaking down of the rocks, and although there is an immense amount of plant food there, very few soils contain in available form food more than enough to last two or three years and give maximum crops. The thing for us to do is to learn how to get the most food out of this soil and how to have at all times an ample supply. You have many times been told what kind of food our plants need. Chemists have told us we want some potash, phosphoric acid and nitrogen, and of course all It should always be borne in mind of these are required. We find, how- either plants grown upon the soil ever, something more than this the soil, and the fruit grower it humus.

THE NAME HUMUS

Gould Not Eat Without Suffering

Sixteen Years of Great Distress From Indigestion and Liver Trouble -Boctors Failed-Cure Effected by

Dr. Chase's Kidney Liver Pills

In most cases of chronic indiges- | more emaciated, and though treated tion the liver and kidneys are at by three doctors and a specialist I fault as well as the stomach, and be- received no benefit. cause of their combined action on "After a time a pain began in my these organs. Dr. Chase's Kilney- right side, which medical men said Liver Pills cure when all ordinary was liver trouble. I never got relief means fail.

unlike scores and hundreds which are me at once. By using about a dozen repeated to us. There can be no boxes I was entirely cured. I owe better evidence as to the thorough- my cure entirely to this treatment, ne's and effectiveness of Dr. Chase's and make this statement with the Kidney-Liver Fills.

Mrs. IC. Husband, Moore street, benefit by my experience."

until I began the use of Dr. Chase's The case of Mrs. Husband is not Kidney-Liver Pills, and they helped hope that some poor sufferer may

St. Catharines, Ont., states :- "I Dr. Chase's Kidney-Liver Pills, one was seriously afflicted with indiges- pill a dose, 25c a box, at all dealers, tion and stomach trouble for six. or Edmanson, Bates & Co., Toronto. teen years. Finally I became so To protect you against imitations, study to find out what is required bad that I could scarcely eat any the portrait and signature of Dr. A. thing without suffering terrible dis- W. Chase, the famous receipt book fruit will appear in due time in the tress. Gradually I grew weaker and lauthor, are on every box.

LIGHT THROWN ON CANCER.

Opened Up.

Great importance is attached to two recent discoveries concerning cancer which have been widely discussed in London recently. The first tence of cancer in fishes, as in man ing in similar conditions to man. exists in fish, which live under such different conditions from man, may conduce to a more speedy and complete knowledge of the disease.

The other discovery was that of Prof. Farmer and Messrs. Moore and Walker, This does not promise an immediate cure or prevention, but is acknowledged to be of the highest importance. At present its practical value is diagnostic. It enables a distinction to be drawn readily, even easily, between malignant and benigant growths. The fundamental importance of the discovery must be discounted. Heretofore the most te rible thing about cancer has been the ignorance of the causes of its birth and growth. A microbe parasite has world of London. been suggested, but has failed completely to justify the theories founded on the assumption of its presence.

NOT EMBRYONIC TISSUE. Another theory which has been accepted generally of late has been that cancer is the untimely growth of an embryonic tissue, that is a tissue which had existed in the body stationary and undeveloped since some previous stage. Evolution had loped at a furious rate in an entire-

Prof. Farmer and his colleagues ly showing that cancer cells are not

It is difficult to explain the discovery briefly in popular language, but the central point is the establishment of the fact that the cancer cells are cells which under some kind of irritating stimulus behave not as ordinary cells, but as if they were cells of the reproductive tissue. The process observed during the developproductive tissue.

CHRISTENING BABY.

to name the baby after him. But coffee continually from the time what about the baby? Even those was eight years old, nearly 20 years. parents who insist that their chil- "The work of operating the teledren owe everything to them will graph key is a great strain upon the at least concede that they owe it nerves and after the day's work was to the child to give it a name that over I would feel nervous, irritable, will not be a handicap should it ever run down and toward the last suffermake its way or have a business that ed greatly from insomnia and neuralmust be advertised. And to give a gia. As I never indulged in intoxichild a name that has already been cating liquors, drugs or tobacco in clapped upon the tiptop pinnacle of any form I came to the conclusion fame is to make it the victim of ri- that coffee and tea were causing the diculous contrasts all its life. The gradual break-down of my nervous baby's name is most important. It system and having read an article in should be short, simple, sensible-fit the Medical Magazine on the composito become the nucleus around which tion of coffee and its toxic effect upan individuality may crystalize. We on the system, I was fully convinced cannot have too many Johns and that coffee was the cause of my Marys, or too few Julius Caesar trouble. Jonses and Roberts Buller Kitchener | "Seeing Postum spoken of as not

the secretary of a musical society: A combustion. Iron and steel filings coming carbonized

that have died and been allowed to remain there, or where we have applied manure to the soil, and in many cases you will find it is the lack of humus that reduces the yield of our tress. This humus tends to make the soil spongy-like and prevents loss of plant food. I presume that in most cases the amount of plant food that is actually lost in the soil is in excess of what is used by the plants, and in maintaining this fertility we want to be able in the first place to hold and save from loss this large amount of plant food. It is really a matter of dollars and cents. The chemist figures out what these materials are worth and will say: you can save a pound of potash it rains and the rains linve washed out extraordinary phenomena. this plant food. The best crop recommended for this cover crop is oats, sown about the first of August and plowed under early in the spring. The next best is Crunsan clover, sown about the same time, but the seed is expensive, and in our country it starts too late in the spring and hardly gets growth enough in the

Now, we better not spend so much time watching the tops of our trees for a crop of apples, but watch and around the bottoms, and then the tops."

fall.

THE GREAT SMITH FAMILY.

Field of Observation Is It Beats the Joneses, the Browns, and all Others.

If numbers make for greatness then is the Smith family incontestably the greatest of all the families inhabiting these islands says the London Daily Mail.

The pride of Smith is writ large upon the pages of the new Office London Directory, for in the 'court' sections are enshrined names of 504 Smiths, to which may be added 21 Smyths and 9 Smythes. There are individually recorded here 36 ladies whose sole appellation is plain "Mrs. Smith."

ends, all of the name of Smith.

Smithes, Smithyes, Smythies. In the trouble." the comparative degree, Smither, Dr. Williams Pink Pills cure not Smiters, and Smythers; there is no only indigestion, but every trouble Smithest. We also have the allied due to poor blood and shattered active forms Smithem, Smitham nerves. They will not fail if the and Smithett, also Smithson and treatment is given a fair trial. Don't Smthson.

Foreign forms are Smit, Schmit, don't take anything but Dr. Wil-Schmitt, Schmidt, Schmitz and liams Pink Pills for Pale People. Smits. There are doubtless other You will find the full name printed variants, but the above are all that on the wrapper around every box the eye of the untrained man is | Sold by all medicine dealers or sent likely to detect, further differentia- by mail at 50 cents a box or six tion may be left to Smith experts. | boxes for \$2.50 by writing The Dr.

whom 42 are plain "Mrs. Jones." Ont. There are 203 persons named three named besides Browns and 57 Brownes. The Robinsons are nowhere, by comparison,

SURE.

The Robust Physique Can Stand More Coffee Than a Weak One.

ment makes it easy to tell if a cell a naturally robust constitution far and necessary musical instruments is malignant cancer. Research, above the average and not having a had been actually dumped on to the therefore, has a new field of obser- nervous temperament, my system land of heather and gorse by Engvation in finding what agents of was able to resist the inroads upon land ! irritation are causing an ordinary it by the use of coffee for some years cell to act the same as cells of re- but finally the strain began to tell.

"For ten years I have been employed as telegraph operator and typewriter by a railroad in this section, must not be treated too highly. It is a compliment to a great man and until two years ago I had used

having any of the deteriorating efand turnings, when mixed with oil, all my work at the telegraph key to Scotland." will ignite spontaneously after be- and typewriter with far greater case than ever before. My weight has in- tions some cynical investigator will creased 35 pounds, my general health prove, perhaps, that the haggis came keeping pace with it, and I am a new originally from Australia, that the man and a better one." Name given by Postum Co., Battle Creek, Mich.

There's a reason. Look in each package for the famous little book, "The Road to Well-

MAGNETIC STORMS.

The occurrence on October 31st of a great magnetic storm, which interfered with telegraphic lines more or less all over the northern hemisphere, coincidentally with the reappearance of vast groups of spots upon the sun, has reawakened discussion of the question of the influence of sun-spots, or rather of the forces that produce sun-spots, upon of nitrogen you can save is worth in the sun, recurring at intervals of Prof. Waite in keeping up this supply and that to this influence is due the nures. The best soils will run out rence of magnetic storms that affect ground is, during the greater part of tie needles. But not every group of the year, bare and exposed to the sun-spots is accompanied by these

HAS 500 ROOMS

A hotel covering an area of two acres, containing practically 500 rooms, and costing \$5,000,000, has been opened at Manchester, England, by the Midland Railway company.



DISTRESS AFTER EATING

Can Only Be Cured by Removing the Cause of the Trouble.

There is only one way 'o cure indigestion; the medicine must act upon the digestive organs-not upon their contents. Medicine should not do the stomach's work, but should make the stomach do the work nature intended it should do. Williams Pink Pills do this as no other medicine can. They tone up the stomach, restore the weakened digestive organs and promote natural digestion. There is no doubt about this-it has been proved in At the head of the family list thousands of cases that Dr. Williams stand a Judge, a Baronet, 2 Knights | Pink-Pills cure indigestion when all 2 Members of Parliament, an Admir- other medicines fail. Mr. Elcear al, 3 Colonels, 1 Lieutenant-Colonel, Robidoux, St. Jerome, Que., offers 1 Major, 4 Captains and 13 Rever- his testimony to substantiate this. He says :- "For some years I was a In the much larger "comme cial" great sufferer from indigestion. My section of the directory are found appetite became irregular, and everyeighteen columns of Smiths. each thing I ate felt like a weight on my containing the names of about nine stomach. I suffered much from pains ty individual Smiths; so we may in the stomach and was frequently take it that there are at least 1,600 seized with dizziness and severe head-Smiths inhabitiog the commercial aches. Nothing I tried did me a particle of good until I began the use of A large number of permutations Dr. Williams Pink Pills, and these, and combinations of Smith are to be after taking them for about two found. Thus we have Smith and months, completely cured me. It is Smyth, or, with the addition of the nearly two years since I discontinugenteel "e," Smithe and Smythe. ed the use of the pills, and I have In the plural we have Smiths, not since had the slightest return of

take any pink colored substitute-The Joneses muster but 295, of Williams Medicine Co., Brockville,

BLOW TO TRUE SCOTS.

Bagpipes Were Introduced to Their by the English.

The true Scotsman will spend a sad half hour when he learns that Scotland cannot really boast of being the mother-or father-of the A young Virginian says: "Having bagpipes, and that these barmless

As this charge was made at the annual gathering of the Incorporated Society of Musicians-and in Glasgow, too-it is an insinuation that

Scotsmen in London are already thinking of combining in a big protest against this slur upon the pipes. However, enquiries were set afoot, and it was found that the bagpipe goes back into dim days of the Old Testament, and that it was used by the Egyptians, the Greeks, and the Romans long, long before either England or Scotland Produced

anything beyond mud and paleoliths. It has been known in various countries and languages as the musetto, the sackpfeife (a most descriptive word) -and the cornamusa. In Nero's time it was a popular instrument, for history has it that wicked emperor "promised to appear before the public as a bagpiper." It is very probable that it was not the fiddle that Nero played while Rome was burning-but the bagpipe.

Shakespeare talks of "the drone of fects of coffee I decided to give up a Lincolnshire bagpipe," and a far The following good story is told of the stimulant and give Postum a greater than he-the British Entrial. The result was agreeably sur- cyclopaedia-gives much evidence "to gentleman rang his door-bell one ev- prising. After a time my nerves be- disprove the common notion that the came wonderfully strong, I can do instrument has always been peculiar

> After this blow to Highland tradi-Scotch broth was made first in Germany, that the kilts were aboriginal garments many years B.C. (as, indeed, they were), and that the best Scotch whiskey comes from Ireland.

remaining. Nobody can prove that this delicacy was dumped into Scotland by alien confectioners.

But there is still butterscotch

A MOTHER'S PRAISE.

'From the time my baby was born," says Mrs. Robt. Price, of Combermere, Ont., "he was always sickly and costive until I began giving him Baby's Own Tablets. He is now, well, strong and growing nicethe magnetism of the earth. The pre- ly, and I can hardly say how thankvailing opinion among astronomers ful I am for my baby's cure." In is worth five cents, and every pound and physicists is that disturbances every home where there are young children this medicine should always twelve cents, and five cents more for about 11 years, do exercise, in some be kept on hand. The troubles of the phosphoric acid. The first thing, as yet undefined manner, an electro- little ones come when least expected, then, is to carry out the idea of magnetic influence upon the earth, and a dose of the Tablets promptly given may save a precious little life. of humus by growing cover crops and appearance of brilliant displays of Baby's Own Tablets cure all the turning them under, or applying ma- the aurora borealis and the occur- minor ills of little ones, and an occasional dose will prevent sickness. after long periods of cultivation. The telegraphic instruments and magne- They are guaranteed to contain no opiate or harmful drug. The Tablets are sold by all medicine dealers or sent post paid at 25 cents a box by writing The Dr. Williams Medicina Co., Brockville, Ont.

EVERY LUXURY PROVIDED

A dog's tailer exists in Paris. The al'or is a woman and in her reception rooms the dog has rugs, water and even biscuits to refresh him during the trying on process. Here are the daintiest water color pattern books to choose from, and anything from sealskin to chamois is provid-

Everything comes to him who waits -except the money he loaned a friend.