# PRACTICAL FARMING.

THE WAY TO WORK BUTTER.

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nory.

The use of a barrel or box churn is now quite general, yet many cling to the old-fashioned dash variety. With the latter it is almost invariably cus- culation of air through the mass. To plant a vigorous growth early, its tomary to churn until the butter comes illustrate the advantage and effect of roots will strike deeper and extend farin a hard lump, or solid mass. Gran- this, it may be mentioned that ice cut ther than if its first growth was stuntular but can be made in a dash doors in a pile and merely covered by with corn and potatoes, which would churn as well as in the most approved a heap of refuse tan-bark and simply always be best if manure were early in of modern models. The whole secret enclosed in a rough boarded enclosure the spring so incorporated with the lies in stopping the churning at the mer If these necessary conditions are proper time. This is when the butter secured, any sort of shelter above first. Most of our spring crops are particles appear about the size of wheat ground in an airy location will keep sown and planted too late, because it a steady motion of the dasher until the butter had gathered sufficiently to hold this up when rested upon the top of it. By lifting the butter in granules from the churn with a ladle or skimmer, the buttermilk can be easily washed out in the butter bowl,

Too much washing undoubtedly injures the flavor. While it is generally conceded that washing until the water comes off clear assists in retaining its quality, if it is not to be consumed in the month or six weeks first following its manufacture a middle course is advisable. Wash the butter in two or three waters, then salt to taste and work into shape.

advanced of late years finds so slow ection than the strawberry. acceptance among farmers' wives as The use of water for irrigating ally brought in contact with the clean- Warfield are the best. sing fluid. Then when drained and while still in granules, add the salt, scattering it over the mass and incorporating it thoroughly with the It is a somewhat common notion that of a cow in its composition. The

rendering it salvy and spoiling the of its tree. grain. Insufficient working leaves an Many fine dessert fruits are large, other. also leaves the butter mottled and and not all small fruits are of good piece, and the material thus formed doubled the repulsion is increased have already failed twice at the enstreaked in appearance after standing quality. Many seedlings are small and is beaten upon a smooth piece of wood fourfold, and even more than this, on trance examination shall not be pera few hours. The whole operation may of poor flavor, and therefore do not until it becomes as thin as muslin. It account of another law, because electric mitted to compete again, there has remain with the salt insufficiently Facts show that high quality and when it is ready to make up into cloth- points, and an extremely small body dates for the advertised vacancies of it. Every butter-maker knows how dif- er. And the fact that all the small- The "stinging tree" of Queensland is accumulation on the surface referred fer to the army medical service of ficult this is when the butter has be- sized, unhardy and unproductive var- pleasing to the eye, but dangerous to to-say it is of brass-is exceeded by India, but to the home service, come hardened. It is well-nigh impos- ieties listed by nurseymen are of sup- the touch. Its effects are curious; it the accumulation on the small bodies The whole matter is being very sible to get it properly warmed. Try erb quality, merely shows that a small causes great pain to the person or ani- that may be on that surface.

### PLANNING AN ICE HOUSE.

The proper requirements of an ice house are first, a dry foundation perfectly sealed against entrance of air; porous substance so as to secure disappointment." as many minute air spaces as possible. Dry sawdust answers this purpose better than anything else. Dry tan-bark comes next; fine charcoal next, and aft- | An ingenious way of securing ventilaer these dry forest leaves closely press- tion on a long barn with two cupolas ed down will serve the purpose. The was as follows: There were large win- cigar will be a welcome and valuable to the human body in cases of skin house should be placed on elevated dry dows in the cupola, and a stick run friend indeed, resting the weary limbs, disorders or any disorders that may a tight roof with gables open to the that was six inches longer than the cup- stomach. pir, so that a free current of air may ola was wide. The stick fastened onto Tobacco is somewhat of a disinfect- be thrown from it by the means I have Not a particle lighter than he is pass through and over the covering of these windows. Now, when the south ant. If he had to see patients in a told you of, it is thinkable or even in his head. There should be a good drainage on the floor by making several small channels all conveying to one corner, where a perfect air-trap made like an S laid on its side is placed, in which water

will always stay thus preserving the

bottom from access of air which would

otherwise enter and soon cut a way top-dressing with manure as compared through the ice. If these requisites are with any other way of disposing of it. REMARKABLE DISCOVERY. secured, no inside packing is needed; In no other way can it be so thoroughly ner wall. Another safeguard is to have incorporated with the soil, nor can it NICOLA TESLA'S ELECTRICAL CURE the ice cut in blocks so that the joints, he in any other way made so useful in are broken, as for instance, 16 by 24 giving crops the early start in spring or 12 by 18, three feet lengthwise cross- that is always most important in seing two thus effectually preventing cir- curing a large yield. If we give a

### STRAWBERRY DEVELOPMENT.

The improvement of the strawberry has been slow, but as Prof. W. J. Green points out there has been progress nevertheless. No perfect berry for all purposes has been produced but the intensification of desirable traits and characteristics is going on continually. The station has grown thousands of Which Rauk Among the Curiosities of hinted at what he believed and what seedlings but all have been discarded, although many were more valuable than the majority of those offered for tula, is found in Nubia and the Sou- made his readers anxious to know just sale. While good varieties are of great | dan. The Arabs call it "soffar" or pipe, | what it is he expects to do and how importance to fruit growers, there is because of the whistling sound that it he intends to accomplish it." danger of making the variety question thods of butter making which have been offer greater inducements in this dir-

ing. This is the rut in which many tensive culture, especially during the excrescence, about an inch and a half fore answering. ed their butter twice and consider this moisture is best accomplished, the first indispensable, when the fact is one season by fall or early plowing, and of the shoots, and when the larvae cian explained that it is a fundamen-

way, this is greatly facilitated by add- of the new varieties: Aroma, Anna duced by a sweet-toned flute. ing a handful or more of salt to the Kennedy, Beauty, Copernicus, Clyde, contents of the churn when the sep- Carrie, Enormous, Glen Mary Hall's aration begins—the washing free from Favorite Portage, Ruby, Rio, Staples, the milk is an easy task. Every grain Tennessee Prolific. Of well known To obtain the milk, deep incisions are is distinct and separate from every kinds that can be recommended for other grain. The cold water prevents general cultivation, Bubach, Brandytheir adherence and each is individu- wine, Greenville, Haverland, Lovett and

### QUALITY OF FRUITS.

ladle. The action of the salt will be to start the brine formed by its dissolving. Drain this off and work exactly as ties of fruits are unhardy, weak in Venezuela. would be done had the butter been growth, and unproductive, that the

## PIGS NEED SUNLIGHT.

A young pig is much like a flower: second an air-tight. non-conducting it must have plenty of sunlight to make wall around the ice of such a charact- it develop and grow into usefulness. er that any damp that might exist or Many a fine litter has been seriously happen in the wall, says Massachusetts injured for the lack of it. A; writer Ploughman, may be evaporated from "Where farmers have a hog house in the outside and thus tend, by the in- which a number of brood sows are havfluence of evaporation to cool the wall; ing their litters, we advise putting in third, a well ventilated cover or roof, cheap sash on the south side, which can through which a current of air may prices at small cost. A brood sow pass by which moisture gathering in should never be allowed to produce a the covering over the body of the ice litter in a dark place. The north side may be evaporated, with the result of of a building is no place for her at all. keeping the covering dry and cool; nothing better can be done, and let fourth, a solid body of ice packed so there be plenty of glass windows to to truth, to denounce the smoking of that all blocks, closely fitting, or hav- admit the sunlight. In the summer tobacco as always injurious. There are ing the spaces between them filled time these windows can be removed and with small ice or the powdered frag- screen, or, if nothing better, a coarse ments made in the filling swept into gunny sack, which will admit the air as there are others who, inheritors or the crevices, make a single solid block and keep out the flies if pigs are to be subjects of the narcomaniacal intoxica- ficiently great—as in the case tured by a wooden house with double tion to this matter of light will save walls filled in between with any dry, plenty of money and prevent serious

### BARN VENTILATION.

FALL TOP-DRESSING. There are positive advantages in fall

mer. If these necessary conditions are and make a strong growth from the ready to put his recently acquired ice, but an underground storage will is only by late planting that the soil fail, because the conditions required can be got to proper warmth and condition for vigorous growth. But if this asites of every nature, whether they ground were top-dressed with stable are virulent disease germs or not. manure, the ploughing of it under in the spring would fill the soil with warm so that it would mean both warmth within the secret precincts of his laband fertility for the young plants as they are starting into growth. FIVE REMARKABLE TREES.

Plant Life.

ed upon by the wind, produce a kind of electricity, either positive or surface of the buttermilk-and, by the The following are the most promising whistling sound equal to that pro- negative, repel each other; that if a

> it yields an abundant supply of milk. mulates on its surface. made in the tree, from which the fluid flows into vessels placed ready to resomewhat viscid, and has an agreeable flavor; and an analysis of it shows that it is very much like the milk

sary relation between the quality of by side until they are at least 12 cret for a time yet. Overworking butter is injurious, the fruit and its size or the hardiness inches in width, and two or three "This repulsion under the pressure ent the establishment only numbers

the once working plan and you are or weak variety is not introduced un- mal that has the misfortune to get "I have found ways of producing all pers. sure to like it, especially in very cold less its fruit is of such exceptionally stung by it, but it leaves no wound, degrees of pressure, even to a degree fine quality as to warrant its cultiva- no mark of any kind. And for months that approaches more or less to that tion, notwithstanding its delicate con- afterward the part stung is painful of lightning; and the repulsion exertin rainy weather, or when, in any way, ed on the small particles-when a body it gets wet. Frequently, it is neces- is charged with such a tremendous sary to shoot horses and dogs that pressure-is so great as to actually have been stung by the tree, so maddening is its effect upon them.

> Eastern California and Arizona When Now, for an illustration, if a brass in the least disturbed, this highly sensitive tree shows its anger by ruffling up its leaves and emitting a disagreeable odor.

### TOBACCO, MAN'S FRIEND.

### A Celebrated Physician's Opinion as to the Value of the Weed in Certain Cases.

Dr. Norman Kerr, an English physician, says it would be impossible for with great force and thrown away, him, without disloyalty to science and agony of their asthmatic paroxysms, ing impulses by a smoke. There are occasions, such as in the trenches dur- leads up to. I know that ing military operations, when, worn out with exposure and fatigue, or when exhausted by slow starvation, of the result described is accomplishand having no shade. It should have across from one window to the other, cheering the fainting heart, allaying arise from the skin being attacked by for a big man? she asked of her the gnawing hunger of the empty disease germs or parasites of any sort. escort, who regards Mr. Dumply as

the ice, keeping this covering dry and wind was blowing hard, it shut that yellow fever ward, long as it was since very probable that a human body may perfectly sustaining its porosity, which south window and fastened out the one he last smoked, he should smoke again in this way ril itself of any extranewould be destroyed if the covering on the north side, and when the north as a prophylactic against this dire disshould be wet and soggy. Inside the wind was blowing hard, it shut the ease. Tobacco smoke, on being passed as the disease germs, if any, would be floor should be sealed against the ennorth window and pushed open the winthrough the Interior of hollow bulbs among these particles, the possibility trance of air with the greatest care. dow on the south side six inches and lined with gelatine containing disease and practicability of such treatment This is the weakest part of an ice- in that way formed a certain amount germs, had destroyed the microbes of naturally suggests itself. house and is to be looked after particul- of ventilation in the top of the barn. cholera and pneumonia. Further, From the stables there ran ventilat- when any father, utterly worn out and with this suggestion and have reached ing flues that opened out near the roof. irritable with the worries of the day, most remarkable and startling results, Me. it was a very ingenious way of securing is ready to find fault with everything, that impress me as being of great valfrom the prattling of the children to ue. They will be continued and their the cooking of the dinner, if his wife actual value positively ascertains beis wise enough to persuade him to fore the method is unqualifiedly resmoke, the bear becomes a lamb, and commended. domestic peace is assured.

FOR SKIN DISEASE.

Envelops the Human Body in Luminous Flame with Wondrous Results - Experi ments Have Reached Most Startling Results.

Nikola Tesla is now in the midst of intricate electrical experiments which promise most valuable hygienic reknowledge into practical operation, for the ridding of the human skin of all extraneous matter, including par-

These experiments have been conair even before the seed was planted, ducted by Mr. Tesla for some time oratory, and all of the matters involved, from the first inception to the last experiment, have received most careful consideration, and a number of times in his published writings he has he expected to accomplish, but only The "whistling tree," or acacia fis- incidentally, and in a manner that has

"Now," continued Mr. Tesla, "if ceive it. This vegetable milk is white, surface, and if they are conductors capable of taking electricity, they will also become charged with the

SAME KIND OF ELECTRICITY

previously salted. (Work until all ex- fruit itself is of small size, and that is found at Otaheite in the South tween them and the surface, which swimming was regarded as a dubious cess of moisture is removed, and the these qualities are necessarily associat- Sea. The bark is taken off in long strongly tends to part the two, and sort of accomplishment for women. a wafer-like pat with a portion of it, It is true that some very fine fruits it, so that the inner fibre may be ly with great force. In fact, this force using the ladle of course, then lift one grow upon trees deficient in natural easily separated from the rest of the can be increased to pressure of any side and fold together. If it almost vigor and hardiness, and that some of bark. The fibres are put together in desired magnitude. Just the form of military rank substantial in the army folds over without becoming broken the finest varieties for eating pur- lengths of about eleven or twelve apparatus I am using, and which ac- medical department of the British seryet finally does break, it is worked en- poses are small. But there is no neces- yards, and the lengths are placed side complishes this thing. I must keep se- vice, it is found difficult to get army

excess of water incorporated with it and and their trees hardy and productive; The fibres adhere together in one for if a given electrical pressure is by abolishing the rule that those who

tear asunder not only the firmly adhering small objects, but the very par-The "angry tree" grows in Nevada, ticles of the metal on which they rest. ball is painted with bronze paintwhich is conducting-the whole of the paint is almost thrown away when the pressure is turned. "But further. You know how firmly

bronze paint adheres when it has dried. It requires great force to tear it away, but under the pressure I refer to not only is the bronze torn from the brass surface, but the hard brass itself is subjected to such a pressure that its particles are torn asunder, scattered not only to distances measured by feet, but measured by miles. Keep up the action, and finally the entire solid brass ball would be carried away, but some persons who find relief from the ages would be required to accomplish this result with the present apparatus, because of the smallness of the particles. Still, if the pressure was suftion mania, are enabled to ward off a lightning stroke-the brass ball could these morbid and well-nigh overpower- be destroyed in an infinitesimal period "Now we will see what all of this

### THE SCIENTIFIC FACT

"By means of my apparatus I have

applied an electrical current from static machine so as to agitate the air surrounding a human subject in a most extreme and remarkable manner. The startling effect was to make the person when operated on in a darkened room appear to be clouded in a haze of luminous mist.

"The electrical pressure not only violently agitated the air around the body, but the repelling force threw off all particles with such violence that their extremely rapid motion through the atmosphere caused a friction that consumed tham, and for the fraction of a second making them luminous so much so as to cause them to appear. like myriads of infinitisimal meteors shooting in all directions away from the repelling body.

"I have gone far enough with these experiments to suggest the possibility of completely enveloping the human body in an actual sheet of flame, without injury to either the skin or the

### THREE HEROINES.

Heroic Conduct of English Young Women Praised by Bumane Society.

The report of the Royal Humane Society is more than usually interesting this month, says the London Standard, If evidence be wanted of the strength and courage and hardihood of our young women, here it is-with a vengeance, old-fashioned folks would add. The sil-Probably no single feature in con- unduly prominent. It would be well produces, and the specific name of "fist- Mr. Tesla was found in his labora- of Dudhope Terrace, Dundee; of such nection with the new and improved meto give more attention to intensive cultory with head and hands full of mata heroine every detail is worth notature, as there are but few crops that flute, has been given it for the same ters electrical as usual, and when Miss Fullerton was strolling on the spoken to of the interests his hints and Forfarshire coast, apparently, when that recommending only a single work- strawberries is another means of in- their eggs in its shoots. A gall-like aroused he hesitated for a moment be- whether she threw off any of her clothes, but since the man was seized in diameter, is produced at the base Then as a foundation, the electri- with cramp and was drowning, it is working, and that at the time of salt- thorough cultivation. It is quite as ne- have emerged from circular holes in tal electrical law, well known, that "heavy," but Miss Fullerton swam ing is all that is required. When cessary to stir the soil after light as the sides of the shoots, the holes, playto preserve his presence of mind"-also "holding him up"-she conveyed him safely until a boat picked them up midbody be charged with electricity from way. This is something like a "record." The "cow tree" is so called because a static machine the electricity accu- "Our fathers would not have believed it possible for a girl to swim a quarter of a mile in her clothes through a heavy sea, but this brave young athlete actthere are small bodies of the minutest ually supported a manufacturer-who weight on that electrically charged run to weight as a rule-in the agony of cramp.

Miss Joan Harris, of Belfast, also plunged into the sea without undressing and rescued a grown girl; further circumstances are not given, but swimmers know that it was a feat, anyhow, that the surface has received. What Miss Louisa Bright, of Reading, too, did is the result under the law of repul- not waste time in preparations when

# BRITISH ARMY SURGEONS.

layers of fibres are put one upon an- I have referred to is increased the eight hundred and ten, while, in freely discussed in the English pa-

### DON'T MOPE.

There's Nothing Wears a Man Out So Quick as Dwelling on His Cares.

"The worst possible thing for a man to do when cares oppress him," said Mr. Gratebar, "is to mope; to sit down and think it over. If there is anything on earth that will mildew a man and make him good for nothing, that's it. What he wants is activity; to keep moving. If he can't work, or thinks he can't, let him get out and take a walk, and start his circulation, It's amazing what a little fresh air and exercise will do for a man. Keep moving, and the first thing you know you'll find yourself whistling, or humming a tune, and then you laugh to yourself a little, and go back and go to work."

### HER VIEW OF THE MATTER.

Talking about happiness, observed Aunt Maria, severely, do you know what I think about the matter, John

John Samuel didn't know, and mildly admitted as much I just think it all comes down to

this, that mostly everybody's for locking up their house and a-searching the world for that contentment they've thrown away in their own lumber room.

### AT BOTH ENDS.

Isn't Mr. Dumply light on his feet

### WELL-NAMED.

Papa, said a school boy who had been badgered by his schoolmates, they are calling me names.

What are they calling you son? asked the solicitous father. Corns. corns, that's what they call

And when papa interviewed the schoolmaster the next morning the pedagogue was put on his mettle. They call your son 'Corns' because he's at the foot of the class. And papa kicked by brilliant son