we years old, ar with circle not brand on re, about 12 onogram also on left thigh, branded Z or in right thigh, 3).

y gelding, 9 i, branded X on left hip, H. Chapman

R. H. Lock,

ed and white d with white ite markings, 1 (S. E. 21— 44 Ed . We Tall e brand on -30 w 1). about 1,000 ith a design rked lazy or low the first mas (N. W. JE 57 12 157 12 15 s old, white ht hind foot

n horn MA. mare, about face. Bay stripe down tung (N. W. I wat all

no visible 2).

PART TO SE s old, large ,100 pounds rand resem-ichael (30 ace, off hind its, branded ht shoulder

h side from oulder, had eck. C. H. d 479 4 4 ALL RELL ELE one sorrel nead, weight old, branded it shoulder.

ll bay pony, ndistinct E cNaughton.

sible brande

oranded D t shoulder, o one cow nt ribs, and tle over on in Thomas.

e star on years of b ribs.

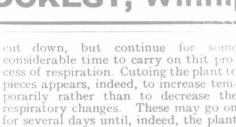
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From the account can be seen what recognised by botanists, lay the partial, if not the complete, explanation. takes place in the compressed heap; and breathing; oxygen they must have to chemical changes effected through the action of micro-organisms or their carrying on the physiological process of has made a supply of this impossible, products. The precise cause of this respiration, a process quite similar to and hence to compensate for the exchange which takes place in the compressed heap, and the considerable rise use of oxygen, and the evolution of their own substance; now, this oxidisa-in temperature that accompanies it, carbon dioxide. In this respiration tion, as all oxidisation means an evowas for a long time a subject of much carbohydrate bodies are used, with lution of heat, and at the same time a speculation, and numerous theories some albuminoids as well, and a certain giving off of carbon dioxide. So long were put forward by way of explanation. amount of heat is evolved. Now the The idea that the work of bacteria plant cells do not die when the plant is tinues heating proceeds, but once the

accounted for the process met with cut down, but continue for some considerable support and acceptance, but the researches of Messrs. Babcock cess of respiration. Cutoing the plant to the process stops, and after a time the conditional development. The term "heating" signifies the evolution of heat which may be very sensibly felt by any one who plunges his arm into the shoulder in an affected stack, or be visibly perceived by the vapory cloud to be seen issuing from the feeder of material may be put together again property cloud to be seen issuing from the feeder of material may be put together again property cloud to the feeder of material may be put together again property changes. These may go on for several days until, indeed, the plant to pieces appears, indeed, to increase temporarily rather than to decrease the respiratory changes. These may go on for several days until, indeed, the plant cause of heating is the fact that the ultimate cause of heating is the fact that the ultimate cause of heating is the fact that the process stops, and at together again with impunity. From this explanation for several days until, indeed, the plant cause of heating is the fact that the process stops, and at together again process appears, indeed, to increase temporarily rather than to decrease the respiratory changes. These may go on for several days until, indeed, the plant cause of heating is the fact that the process stops, and at together again with impunity. From this explanation for several days until, indeed, the plant cause of heating is the fact that the process stops, and at together again process. be, are not sufficiently saved, and that the vital activities are too vigorous to

admit of compression. The saving of hay or grain or any green form of plant life is in reality a dying process; but it is also a drying process, and the latter precedes the former, inasmuch as the loss of moisture increased by the action of sunshine and air, robs the individual cells of moisture, and this hastens the suspension of their respiratory functions. Once the dying process has gone far enough to check any farther respirative activity, the plants are sufficiently killed to be put together safely; henceforth there will be no danger of heating; grain once killed may be drawn to the stack wet with the morning dew, or, as we have often seen it, well damped by a passing shower, and yet no ill effects on its keeping in the stack followed. It is well to have this in mind; make sure that the plants have been sufficiently robbed of life by the drying effects of sun and rain; once this has been sufficiently proceeded with, the presence of a little dampness due to rain or dew need nell:-"The whole matter is a question of greenness and moisture; if the moisture is natural sap then there will be heating, if the moisture is derived form rain then mouldiness will be the result." In Western Canada the latter process is the common one in case stacks or mows go wrong.

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to show that in a simple physiological

process, which depended on facts long

if not the complete, explanation.



Safe Look Shingle

WHY HEATING TAKES PLACE IN

The term "heating" signifies the evo-

vapory cloud to be seen issuing from the top. This "heating" is in reality a form of "fermentation," but differs

from true fermentation in this respect

that the latter term is chiefly confined

My offer to all who lack Strength and Vigor, who have Rheumatism, Lumbago, Sciatica, Lame Back, etc., is:—Use my Invention not be dreaded. To quote the recently expressed remarks of Professor McConuntil Cured, then pay me. I ask not one Penny in advance or on deposit.

A man in good, vigorous health is full of electricity. The eye and brain sparkle with it, and his nerves and muscles are strong and elastic as steel. He is successful in business or his occupation, and his wit and general good nature makes him sought after by all. Could electricity be seen he would appear as in the illustration-emanating "something" you instantly feel as you approach him. This "something" is simply his natural electricity. We call such men "magnetic." Are you one? If not, don't you want to become one? During 40 years practice in Electricity I have aided more than a hundred thousand to become so. Men have come to me broken down from overwork, worry, or abuse of nature's laws, having or nearly twice as much as of sulphate exhausted all medical and drug treatments and apparently past aid, suffering of potash. tortures from Nervousness, Exhaustion, Varicocele, Rheumatism, Lumbago, Sciatica, Lame Back, Wrecked Stomach, etc., and even these I have helped to regain their health and strength-made them men like the large quantity of salt in it has the effect above. I can do the same for any man who will use my invention, and of attracting moisture, and thus hinderwho is not too far gone for help.

you before you pay me One Penny

My treatment is very simple. I use Electricity as given by my famous Dr. Sanden Electric Herculex Body-Battery (latest patent, Mar. 7, 1905). Worn only during time you sleep, it fills your body full of the soothing, strengthening current, and in the morning you awake full of life and vigor, prepared to face the world however you find it. Two months' use generally cures the worst cases. Use the Herculex for that length of time, and if you are well, pay me. If not, return it—price when cured from \$5 up. Liberal discount if you pay cash for it.

As the originator and founder of the Electric Body-Battery system of treatment, my 40 year's success is the envy of many, and my Herculex is, of course, imitated (what good thing is not?), but my great knowledge to advise and direct my patients is mine alone and cannot be imitated. It is given free to all who use my invention until the cure is complete. My Herculex is guaranteed to give a current instantly felt, or I forfeit \$5,000, and to last for at least one year.

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WHAT FORM OF POTASH IS BEST?

Kainit is the cheapest form in which potash is offered for agricultural purposes, but it is not suitable for application to all soils nor for all plants, on account of the large proportion in it of chloride of sodium (common salt), of which it contains more than 40 per cent.,

Its use can be recommended for light soils, which are apt to suffer from drought in dry summers, because the ing the soil from drying off so quickly. On the other hand, in heavy soil, the salt may have an injurious effect, as it has a tendency to harden and cake the surface of the land, making it impervious to air, light, and gentle rains, and spoiling its physical condition. Therefore, in such case, the application of kainit should be avoided, and preference given to sulphate or muriate of potash.

The salt in kainit has the further drawback that it uses up the available lime, and therefore when applying kainit it is essential to see that there is plenty of lime present in the soil.

Kainit contains an appreciable percentage of magnesia, the fertilizing

cognized. Reverting now to the question as to what crops kainit, in consequence of its large proportion of salt, is suitable, or the reverse, it may be said that its action is decidedly favorable for roots, oats clovers, and mossy pastures, but it is not so suitable for potatoes, and probably also not for hops. If it should be desired to use it for potatoes, the application should be made to the preceding crop. For tobacco cultivation it would not do at all. Both for potatoes and tobacco the proper form of potash is beyoud doubt sulphate of potash.