AGRICULTURAL,

THE ART OF MAKING BUTTER.-In response to numerous inquiries before the American Institute Farmers' Club in regard to making prime butter, Mr. Todd gave the following information:

Many producers of butter make a grave mistake, which deprives them of been obliged to accept half the price of seemed to delight in the havoc of a large amount of clear cash, by supposing that the products of their dairy will return as much profit when the butter is made in such a careless manner that it resembles a cross between mutton tallow and lard, rather than gilt-edged butter. Thousands of tubs and firkins of butter, out the use of chemicals or drugs. My through the sky with all the recklessstrong enough to perambulate the city, way is simply to tear brown paper into ness of a spirit of destruction. The are sold from ten to fifteen cents per strips of eight or ten inches long, and unbroken succession of electrical dispound; whereas, by exercising a little four or five in width; dip them into charges was like the incessant reports care and neatness, and adding the proper quantity of salt, every pound would shall be covered. To three gallons of as to tear their very echoes to tatters have brought thirty or thirty five cents. cider I put six of these pieces and set before they reached the startled ear. The loss has to be sustained by the producers. Thousands of hard-working females, who grind out their dimes by good sharp vinegar that will keep. The and human dwellings were kept in a irksome drudgery, could save two or paper saturated with the molasses will constant blaze of fire throughout their three dollars per every hour's service form a mother, and a piece of it put into whole interior. An entire population when making butter, by simply spend- sweetened water makes a nice vinegar sprang affrighted from their beds. The ing a few minutes more than they have plant that will grow rapidly, and keep a slarm gunsthat were pealing and crashhitherto done in managing their milk, supply of very good vinegar if kept in a ing with such rapidity through the sky, cream and butter with extra care. It is warm place. FARMER'S WIFE. struck every one dumb with terror. the scrupulous neatness in washing milk pails and pans, in the management of the cream in churning and packing butter, that secures an article that will pass for prime gilt-edged butter, which always commands a remunerative price, whether it is made in Orange County,or on the prairies of Kansas. I wish to impress on those butter producers who been sown thick, had so fin- and broad while the east was a field on which always complain of low prices, the emi- a leaf, with such a dense mass of it all the lightnings still continued to play nent importance of observing only a few standing beautifully, that we did not with the fiercest joy over their freedom. things which will enable them to make recognize it at first, and it required One by one the stars came peeping out an article which may be forwarded directly to any of our fashionable hotels, where every pound will command the gether, and on this field there could not wild rivalry of the scene just enacted. highest price. 1. That every milkpail, pan, churn to the acre. We have always valued this able to compose their feelings, after the and butter-bowl are cleaned with boiling and clover as a good mixture for hay and most impressive night ever passed.hot water as often as they are used. 2. See that the udders of the cows and hands of the milkers are as clean as pure water will make them before an atom of milk is drawn. 3. Provide a clean place for the pans feeding down. John Hare Powell used while the cream is rising, where the to say of orchard grass, after growing it pure breezes from the green fields may for ten years, "that it produces more summer, not only throughout this counblow into the window over the cream and out at an opposite opening. Good butter can never be made in a filthy | that it produced good pasture after being apartment, where there is offensive five days at rest." effluvia arising from anything, no matter what. 4. Cream ought to be churned every day; yet, if one can provide a clean corner, in a cellar or milk-room clean and cool, and keep the cream-pail on a clean piece of flagstone, he can make superior butter by churning twice per week, proyided the temperature of the cream is maintained from day to day about sixty Fahrenheit. 5. Always skim the milk soon after the cream has risen. Thousands of barrels of cream are ruined for making giltedged butter by not skimming the milk soon after the cream has risen. The sooner the cream is removed after it has risen the better the butter will be. Milk which should be skimmed at evening is frequently left till morning, when the cream will be injured to such an extent that gilt-edged butter cannot be made from it at all; neither will it make as many pounds as if it had been skimmed at the proper time. 6. Let the churning be done by a person whose hands and clothes are as clean and as sweet as a blossom of red clover. and let the churning be continued until the butter has come. It is ruinous to the butter to put cream in the churn, as is sometimes done, and churn rapidly for a minute or two every hour in the day, then in the evening all take hold in turn, and keep the cream dashing and splashing until midnight. If the cream is properly managed, butter will always come beautifully in less than half an hour. 7. The butter should be worked and thoroughly salted soon after it is churned. There is but little danger of salting too much. One ounce per pound is not enough for butter that is to be shiphands. The best instrument for working out the buttermilk is anything that

THE DESERET NEWS.

Dradmanae September 11

A New Method of Making Railroad Cars Comfortable.

The New York Post says: How tantalizing in this hot weather to read in an Indian journal that two first-class cars sent from Bombay for the purpose of conveying the Viceroy and staff from Calcutta to Umballa were cooled by Mr. Saunders' patent; described as the most successful yet tried. Under the floor of the car there is an air chamber with ventilators at each end for collecting the air in the direction in which the train proceeds. Above these air chambers are four layers of kbuskbus mats, with sp ces for air left between them, through which a current passes into the interior of the car. The "tatties" are watered by means of a peculiarly constructed bucket, which is replenished by a small pipe from a tank, which, when once filled, will not be exhausted before six hours. The bucket is so adjusted as to tilt over at intervals of a quarter of an hour, and to discharge its contents into two pipes that run through the centre of the car floor. These pipes have long slits cut in them, through which the water is dispersed over shallow perforated tin trays placed over the khuskus mats, over which the water falls in the form of rain. Perfect venulation, which has hitherto always been the stumbling block in similar enterprises, is effected in this case by windows, which open outward and are secured at a lateral angle of about thirty. The outer heated air, coming in contact with the window, strikes off from it, and without raising an actual draught, creates a current which draws out the cool air inside the car by the windows. These windows are so constructed that every alternate window opens in one direction, so that, while one set of windows is opened when a train proceeds in one direction, the other set may be used when the train proceeds the other way. In addition to the above arrangements, there is a self acting ventilator in the roof, which is nothing more than a shutter working on a central pivot, which is kept open in the direction in which the train moves. These windows and ventilators entirely exclude the entrance of the external air. try, but in Europe as well, has excited and no air is admitted into the interior general remark both in private conver- of the car which does not first pass sations and in the public journals. The through the cool air spaces in the floorheat has been severe, indeed; but there ing, which, being necessarily free from is nothing surprising in it to those who dust, insures comfort and cleanliness in the interior.

taining what was once prime gilt-edged | energy at midnight was the crowning butter, but which was spoiled by being and culmination of all similar phenpacked before the tubs had been proper- omena. It is saying little to describe ly prepared by being soaked in brine. it as terrific, impressive and over-For the sake of saving three cents whelming with the consternation it worth of salt for preparing a strong produced; it was a perfect king of terbrine in which to soak a firkin two or ror, a very demon of power let loose, three days, many a frugal housewife has a giant of wild energy that prime butter simply because the staves its exercise. No one will forget were not saturated with brine before the its visit while he lives. The clouds butter was packed.

MAKING VINEGAR.-I noticed an in- one after another with fearful rapidity quiry how to make cider vinegar with- and flashing their blinding lightnings West India molasses, so that both sides of whole parks of artillery, and so near the jug where it will keep almost milk The lightnings leaped and darted and warm for about ten days. You will have played with the fiercest illumination,

-Country Gentleman.

Farmer says:-We have found one field, effect of the unparalleled electrical the soil being in high condition, where displays. For an hour there was unithere was a heavier growth of orchard versal constention, and for another grass and clover than we had almost hour the feelings strove hard to regain ever seen of any kind of grass. It had their self-control in every breast, closer examination to satisfy us. In the west, and even an aurora flashed Orchard grass and clover ripen well to- up its evanescent waves of light in have been less than two and a-half tons Not until morning's dawn were people pasture. On good ground, and when Boston, Massachus tts, Ploughman, Ausown at the rate of two bushels to the gust 24. acre, we consider it a far better mixture than clover and timothy. No grass recovers so rapidly after close cutting or pasturage than any other he had seen in America, and on being fed very close,

The Temperature.

It is with more than usual pleasure that we announce a change in the temperature and the prevalence of a cool, light breeze, that make earth endurable and labor possible. For two months this planet of ours has been passing through a fiery furnece; the sun has shones through all the days like a great ball of fire, and the air itself has seemed incandescent. We have had rains, but the bath was a warm one; winds, but they were wafted from an oven. The "oldest inhabitant," after refreshing his memory and consulting his weather record, has admitted that he "never saw the like before;" an admission the old gentle man is not in the habit of making, and therefore all the more important. Vegetation has been parched and all nature has suffered. The only redeeming feature of the season has been that its very heat has compelled the over-taxed business man, the politician, and even the journalist, to quit the precincts of the city for the country and the seaside (often only for a day, but even that was twenty-four hours of honest, wholesome enjoyment), and leave their cares and work behind. But now the mercury has gone down, and life is once more a blessing, and we have something to be thankful and to live for .-Philudelphia Fress.

None regarded the torrents of rain that accompanied these terrific demonstra ORCHARD GRASS. - The Practical tions, their thoughts absorbed with the

came up out of the distant southwest,

pealing forth their thunderous salutes

Restoring the Equilibrium.

NAME HIS START AND LETT

The exceedingly hot weather of this give the subject a little thoughtful attention.

It is a well established fact, long since accepted in scientific circles, that the mean temperature of given zones or sections of a continent is substantially the same, counting through a certain fixed period of time. Ten years used to be considered the shortest term in which such average could be satisfactorily established; but it is now conceded by many scientists that five years constitute a sufficiently long period to furnish all the data necessary for illustrating the theory, and not a ter is almost sure to be followed by a very hot summer, rather than the reverse. By the same rule, a mild winter is likely to be succeeded by a mild summer-the equilibrium not being disturbed very greatly in the latter case by the unusually low temperature in winter. The reader will remember, for instance, that the winter of 1870-71 was one of ordinary coldness only, and that the average heat of last summer was not very severe. On the other hand, last winter was one of unparalleled severity in all parts of the country, and this summer, in consonance with the

1211033 291151 To judge from what was said at a recent meeting of laborers at Oxford, the working-men of England do not take kindly to the clergy. It was remarked that "the parsons are the enemies of the working-men; and he (the speaker) should like to see the time when churches should be turned into barns, and parsons into threshing-men."

A Week of Weather.

Last week was as notable as any in rule, the complaints of excersive hear than manual laborers. the experience of this quarter of New come from every quarter. Nothing England. We venture to say that very extraordinary about it. Nature is only Perhaps it will be some comfort to ped any considerable distance. It is ru- few would wish to pass through a like restoring the equilibrium which the swearing mankind on this side of the inous to the grain of butter to throw it experience again, even could they feel terrible freezes of last winter so effec water to learn that the heat is in other into a dish-pan and knead it with the assured that they would have a safe tually disturbed. In other words, she countries also perfectly terrible, and deliverance. Every day through the is striking the average, to use a com- that on the high mountains of Switzerweek it rained, and every day there mon expression; and as next winter land it is almost unbearable. In the will cut deep gashes in the butter into were imposing demonstrations of an may be mild or severe, so is the follow- last number of the Swiss Times we read: which the buttermilk will flow. The electrical character. Tuesday brought ing summer pretty certain likely to be the heat has become simply insufferable. next day after churning the butter down a copious shower, to drench pleasant or uncomfortably hot. the cattle already at break of day retire should be worked again, and packed. everything; but Wednesday followed As intimated above, the results of to their shelter. For years back the Beware of working butter too much. A it, with such spouts of watery dis- yearly comparisons are not so complete glaciers have not melted as during this great many persons continue to work | charges, and such terrific and appalling as to give the theory in regard to them season. Great masses as large as a and knead their butter to its injury af- accompaniments of electricity, as never the standing of a fixed law of nature, church roll down into the depths beter the buttermilk is removed, thinking were witnessed during an entire life- but at any rate the subject is worthy low, producing a noise like that of that all the "crystal tear drops," which time in this or any other latitude. The the attention of those curious in such rolling thunder. Wild animals of all are not buttermilk, must be worked evening thunder storm of Wednesday matters, and those who have doubts in kinds may be seen, and innumerable out. was one of the atmospheric sovereigns regard to it can easily have them disherds of chamois graze peacefully with 8. Thousands of tubs and firkins are of its kind; but that which came up pelled or strengthened by observations the cattle, and, if no attempt is made with such a rush and roar of wrathful in future. -- Washington Star. to catch them, are perfectly tame.-Ex. received in the New York market con-

The Parisian journals are not slow to 'ew hold that a comparison of one express opinions very decidedly adyear with another is all that is need-d verse to the claims of Mr. Stanley. The to demonstrate the principle. It fol- who e history they regard as a colossal lows, therefore, in order to restore the hoax. The lett re purporting to have equilibrium of temperature for a given come from the veteran explorer's own period, that a term of severe coldness pen, they denounce as forgeries. Livmust be followed by one of extreme ingstone himself they believe to be heat. There is ground, also, for the dead, and on that condition only do opinion that the winter season is the they think it probable that Mr. Staninitial point, and that a very cold win- ey would have braved detection and ventured to do what he has done. -N. Y. World.

> Brain-work costs more food than haud-work. According to careful estimates and analyses of the excretions, three hours of hard study wear out the body more than a whole day of severe physical labor. Another evidence of the cost of brain-work is obtained from the fact that though the brain is only one-fortieth the weight of the body it receives about one-fitth of all the blood went by the heart into the system. Brain-workers therefore require a more uberal supply of food, and richer food