Rural Economy.

BUTTER MAKING AND BUTTER EATING. American Farmers' Institute Club," Sept. 24.1

Bad Butter .- Mrs. D. Wood, Venice, N. Y. stated that there is more poor butter this year than common. Not one farmer in ten has a suitable place to set milk. Most pantries are too damp. Then there is not sufficient care in skimming the milk. A good milk-house is indispensable. An icehouse is important. Many farmers waste time enough every year to build an icehouse. No woman, however neat and careful, can make good butter in warm weather without a proper place to set the milk. To this must be added due attention to skim-

ming the milk. Dr. TRIMBLE-In the Philadelphia market there is a quality of butter which commands double price. They who make it always have spring houses. In building barns and houses for the farm, the spring is the com-mander of the situation. Frequently more attention is paid to the spring-house than to any other structure, and I have seen such twenty or thirty feet long. The floor is paved, or it may be of gravel, over which the water runs a few inches deep, and in this the milk is set. The temperature being always the same, probably about 39 degrees, the questions about skimming the milk and churning are of secondary importance. They who have these spring-houses have no difficulty in making good butter.

Dr. HALLECK-I agree with Dr. Trimble. The grass of this country is competent to make better butter than is produced. In going to market, we have to taste, and taste, to hesitate, and to reject, and at last we do perfect world. We must abandon our fragnot get good butter. At the back of all mentary reforms. this, is a great cause, not often taken into account, it is the deplorable ignorance of the people. I remember staying over night at the house of a farmer in Herkimer County, who had abundant means, and I lodged in a poor apartment where there were no conveniences for washing in the morning, and all other things were equally inconvenient and rough. Farmers must be elevated from this low condition, and they and their wives, and sons, and daughters must be galvanized by this Club, that they may have a realizing sense of their poverty, and of what consti-

tutes wealth and enjoyment.
Mr. DISTERNEL—The farmer in this country is a dung-hill fowl, in comparison with

what he ought to be. N. C. MEEKER-I know that Philadelphia butter is celebrated. There is a sort of a ring of farmers who command high prices for their butter, and others strive for years, taking the greatest pains, to get into this ring, and when they attain this object it is said they make their fortune. Their butter goes only into particular families, whom they supply year after year. The utmost cleanliness, even to fastidiousness, is practiced, and when the butter is taken to the city home, it is handled with the same care they would handle a keg of gold. In Baltimore there is the same condition. There, this first-class butter brings a dollar a pound. Now, Pennsylvania is a very large State, and it abounds in springs, but the butter of that State is never heard of in the markets of the world, like the butter of many counties in the State of New-York, and of the Ohio Western Reserve. I have eaten is very good, though there is a taste of its of Science at Dundee. being washed in water. But it is destitute

to the same grade from Orange County.

minutes would bring butter.

where the feed was good, they fell away. People who eat much butter have better teeth than those who eat less. It is the

Dr. HALLECK-To produce a refined and and people the desolate wastes; that the

acute mentality, on poor food, is impossible. Nature refuses to honor the draft. A few years ago I was connected with the removal of a grave-yard in a rough country, where the labor required to support life from the soil was very great. The bones of the body were immense, showing that they had received their development in the struggle for subsistence; but the crania were small, and by holding a candle on the outside and looking in, the light showed a thin place at the base of the skull, where there had been full activity in the devotion required to preserve animal life. In the region of the intellectual and higher qualities, all was dark. That gospel written long before, still was read showing indisputably that the nature of the soil and the habits of the people will be indicated in their anatomy. Afterward, when the country was improved, and there were manufactures, and when wealth had accumulated by which means bread was secured with less effort, I had an opportunity to examine the skulls of later generations, when I found that the bones of the body were much smaller and the crania one-third larger. Here, on holding a candle and looking in, it was dark at the base of the skull, and light glimmered in the region of the intellectual and moral faculties. The anatomy of man requires the best that the two kingdoms of the animal and vegetable can produce; the choicest of fruit and the very best of meat. He can rise high above the soil on which he stands. What makes good in the future history of the world?" land? It is good and abundant grass. Reform must commence at the foundation which is in farming and fruit growing, and in all departments of useful industry. In vain are all our efforts at reform unless we elevate the great mass of humanity. This world is not done yet; creation still is going on, and we must help God to develop a more

Dr. Janvis-This plan of building up reform on the belly is a doubtful basis. These doctors may advocate their ideas about teeth. and butter as much as they please, but the more they advocate the worse it will be for the doctors. My children are taught to eat stale bread and to chew it well. I prefer At the present time two or three are misrye bread. Something may be granted as to a variety of food in different stages of life, and in different occupations, but to lay a basis that highly concentrated and choice wanted. The method of designating planets food is the most proper for making a hardy race, which shall be able to perpetuate itself, and make an impression on coming discovery of new asteroids continue at the ages, is contrary to experience and philosophy. But let us not get too far from the subject. There is another thing about cows. It is very important that they have exercise. While confined, as is too often the case, both in cities and in dairy barns, with their heads between stancheons, or in any other uncomfortable positions, diseases are engendered, nor can it be otherwise, for no being is more sensitive, and as this disease must go some-where, it finds issue by the milk, and thence is transmitted into our food.

Dr. J. C. V. SMITH-Our friend being a dentist, I see, wants us to eat hard bread that we may wear out our teeth that he will have a chance to pull them .- Weekly Tribune.

Scientiste.

SIR SAMUEL BAKER.

The correspondent of the New York Tri-

The Geographical and Ethnological Secof that crisp, sprightly flavor which comes tion, embracing not only narratives of hisfrom the fine blue grass-pastures of higher toric adventure, but also the exhibition of latitudes. "Philadelphia Butter," it seems the adventurers themselves, always posto me, is more esteemed because bad butter sesses commanding attractions. The Presi there is so common. dent, Sir Samuel Baker, who, as a contro-Mr. DISTERNEL—A gentleman in this city | versialist, fights his opponents as he fights | who had fine tastes and ample means, sent the savages who obstruct his way in Africa, to Philadelphia for some of their choicest is a man of fame and valor. He has lately butter. He succeeded in getting a small received knighthood for his splendid adven-quantity, but on trial, it was found inferior tures in the Region of the Nile. In the vigor of life, almost as gigantic as Belzoni, Mr. Smith, Westfield, Mass.—Up our way with a presence which commands attention, when we look for butter we look first for a voice that could be heard across the Nile, cows. Some cows make butter that nobody and an eloquence with which few travellers can cat. Others will make good butter, and are possessed, Sir Samuel Baker makes an it would seem as though it made little dif- attractive President. He avowed reluctantforence where the milk was set; while the ly the gloomy belief that Livingstone is stirring of the cream with a spoon for five dead. Sir Roderick Murchison said he believed the great doctor was alive; and Sir Sam-Mr. LAWTON-The difference in the quali- uel and Sir Roderick both gave the same y of milk in different cows is extraordinary. reason for their belief—"The Mokanna men some milk yields double the quantity of were such liars." But Sir Samuel remarkbutter from double the amount of milk of ed that the Africans were scientific liars. other cows. The feed has little to do with A Mokanna lie was a work of art, and the it. For cows to furnish milk for the city, all construction of their story implied the death that is required is quantity. For family use, of Livingstone. The Mokanna men ought would advise every one to be very particuto come over and read a paper at the Assoar to get cows giving rich milk. Still, it is ciation, on "scientific lying," which would important that there should be a variety of be an addition to the Transactions of Scigood feed. This holds true with regard to ence, and, considering the opposite uses the food of human beings. In one part of made by Sir Baker and Sir Murchison of Scotland where the food was the same con- the Mokanna mendacity, it is desirable that stantly, the people became imbecile. Some they should contribute a paper on the qualikinds of food are required for the nourish- ties of a lie as a basis of scientific inference. ment of the brain; other kinds for different Sir Samuel paid a noble tribute to Sir Roparts of the body; for one will not answer derick who has infused such interest into geography that the Royal Society now num-Dr. J. C. V. Smith—Some years ago I was | bers upwards of 2000 members; and he said aquainted with the fact of a farmer having | it was a consolation to the dying traveller, a large quantity of bones which he could | who might perish on his lone way, that Sir not pulverize, and he put them on one part | Roderick would search out his remains and of a pasture; there the grass, after a time, vindicate his memory. If in danger, Sir Rogrew most prodigiously, and the cows pre- derick, if he knew it, would move the naterred feeding on it; when put in other lots, tion to rescue him. As an example of Sir Samuel Baker's oratory, I quote the follow-

ing passage from his impromptu address:
"Columbus achieved the feat that has phosphate of lime, or phosphoric acid, which develops the teeth. According to statistics by the discovery of America. How little did he dream that within the short interval completely altered the geography of his age of three and a half centuries the New World dentists of our country every year because of three and a half centuries the New World people do not eat food which contains enough that he had discovered would be able to dephosphate of lime, and which is contained fy the Old: that upon the waves which rockin butter and in unbolted wheat bread. This ed the frail canoes, iron-clads would fly the is at a cost of \$20,000,000, or one dollar a stars and stripes; that a vast nation of Christian men should spring from the new soil,

wilderness should become a garden, and the swamps luxuriant cotten fields; that great cities should arise upon the margin of her rivers; that the slave should be rendered free; and that the electric spark should speak in the profound depths of the Atlantic, and hold communication each minute with the West!—that veary distant West to which for weeks he lad struggled on to ward unknown shores, cost on a boundless ocean, but trusting in a Divine guide, who watched over the human instrument that steered onward on the grand path to civili-zation. In the short period of three hundred and eighty years, small practical por-tion of the interval assigned to the exist ence of man upon our earth, what vast changes have occurred, not only in geographical discovery, but by its results! America has become a giant, an irresistible power upon her own soil, separated from Europe by an ocean that renders her secure from hostile aggression. With every variety of climate from the frigid to the torrid zone, with fertile soil boundless forests, navigable rivers of pridigious extent, and commodious ports, the future of that wonderful country may be prognosticated by a comparison with the past. The first steps of a young colony are flow and full of difficulty, but if, in three hundred and eighty years, America has altained her present high position from an atterly savage state, what part will that vast continent assume

ASTEROIDS.

The recent discovery by Prof. Watson of the University of Michigan, of another small planet lying between the orbits of Mars and Jupiter, makes the lotal number of as-teroids now known 93. There is reason to believe that many hundleds of this interest-ing family of planets yet remain undis-covered. The labor of observing so many of these bodies with the accuracy necessary to compute their orbits, has become so great that unless very energetic steps are taken by astronomers, many of the smaller ones will escape their notice and again be lost. sing, and owing to the act that their orbits by names belonging to the ancient my-thology will have to begiven up should the present rate. Already these small planets have been numbered, and are better known to astronomers by their numerical designation than by their classic appellations.

THE BEAVER AS AN ENGINEER.

At the last meeting of the American Association for the Advancement of Science, L. H. Morgan, Esq., of Rochester, read an interesting paper on the habits of the beaver. Having made this animal the subject of study for several years, he was able to give many interesting facts regarding the extent of their operation. On the southern shore of Lake Superior, in Marquette County, he found remains of long canals and dams constructed by them for the purpose of transporting their cuttings, consisting of trunks of trees two or three feet long, from the place where the trees had fallen to their lodges. Some of these canals were 300, 400, Philadelphia, Boston, New York, Baltimore, St. Louis, and even 500 feet long. They were gen- Chicago, Cincinnati, and Louisville. bune thus speaks of this distinguished tra-veller as he appeared at the late meeting of depth of three feet. In order to maintain a it may be to get a taste of it, and confess it the British Association for the advancement continuous depth of water, they made dams known—of drawing their cargo from one level to another. Mr. Morgan has settled a long-disputed point regarding species. By a comparison of more than 100 skulls of American beavers with four or five of Eu- CLEMENT SMITH & SONS, ropean origin, he is enabled to state that both classes belong to the same family.

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