The Feeding of Animals.

It is well known that herbivorous animals are fond of common salt, and this is as true of wild animals as of those domesticated by man. Carnivorous animals, on the other hand, either have no liking for salt or show a positive aversion to it. Cats, for example, will rarely touch enter meat. This difference is not easily explained. The blood of both classes of animals contains a certain amount of soda salts, but the quantity of sodd-in a vectable the re not need arily less than maone of licels. A German experimenter, Here Burger-has been the first to sugg plausible solution of the chiama. A regetable diet sold as a flesh flict does and it occurred to him that the greater supply of potash must be attended with a greater waste of soon. To test this theory experi-mentally, he put himself upon a pericelly jumorin ientally, he sput bimself apon a perfectly dist of reef, bread, butter, sugar and a small quanti-ty of sait. When by daily analysis of the urme, he ty of sait. When, by daily sunly as of the urine, he found that the quantity of soon and potash exercted had become constant, he proceeded to take such a dose of potash sales during the day as would mise the amount of potash in his diet to a level with that dully consumed by a locky or a nint. The re-dully consumed by a locky or our animal. The re-sult was an incrediate exerction of chloride of sodium in the urine, the amount being at once increased three fold. Much putash was, or course, also passed. The experiment was repeated at various times, employing different salts of potash, but always with a minilar result, a doso of potes a in every case produc-ling an immediate exerction of sods. Bunge believes that this Ludency of potesh to produce a greater waste of soda in the system is the cause of the desire Their vegetable thet as guarally very rich in potash, and they restricted by the second of the secon anda. So is does not seem to be an essential ingredi-ent of planty but it is certainly missionsable in the animal economy. In the muscle and in the blood compactes potach hancescential constituent; but in the dust potton of the blood, potach is injurious, and if injected, even in small close, potasn is injurious, and if injected, even in small closes, produces death. Saids saits, on the other hand, can be injected with safety, and their presence in the cloud in essential to the continuation of vital processes - Journal of

Box Stalls for Cattle.

Bedile who remember how their fathers weed to tie up oxen and cows in stanchions, and who have seen these instruments of bovine torture banished at the dictates of humanity and their places supplied with chains, are in a degree excusable for thinking that our present stable arrangements are all the most gentlemanly ox or most facultious cow could desire; ut those who stop and toink a moment will see that there is chance for further miprovement, in fact, that the present practice of tring up cattle does not meet the requirements at all.

Cattle are naturally among the most cleanly of animals, fas idious as to their food, drink and lodgings. They never seek of their own accord a mud-hole to aney never seek of their wan accord a mud-fole to the or to wallow in. Their toilets are made with their tangaes, with which they remove impurities, comb their hair, allay icitations of the skin, and perform other offices. When they lie down they hatarally spread themselves over considerable grounds when they get up they want room to do it in. But when tied up by the head, they are compelled to stand and lie in manure and fifth, they are unable to reach many parts of their bodies with their tongues, they are confined in one position, cannot be down with comfort are get up without violation.

These consideration, suggest that entile should not be tied tip at all, and we ask our readers who own few of many cattle, and especially cown, and who can by any reasonable amount of labor, arrange it so as to give each one an apartment by herself in which

the c-in stand, lie, turn around and move alout naturally, to do so and note the result. It will surprise people who think that a cow don't mind basing her sides plastered over with manure and fifth all winter, to see how clean she will keep herselt when she has a chance in a box stall.

Then in one a cow cannot book or rob snother howill not atrain herself getting up or reaching for bed; she can lie down naturally and get up canly; in be fed to better advantage, milked with less reable, and is better of every way. You who have sen room, try it and son and it ror and Farmer.

An eventance asks the committees: "Why has a nore brains than any other animal ? s a hegodesi full of them, of course.

The Dairy.

The Substitute for the Dry Vault and the Spring House.

I experimented until I invented a thoroughly effectual, convenient and practicable combination of the lee House and Pany Room, so arranged that both the cooling and the vent lating apparatus should operate automatically and simultancousts.

The Ice House.

It is now generally conceand that the rural home and the farmery are meeting its vithous an rechouse, convenently located. It was formerly looked upon as an appurtenance of the laxuitous home only, but latterly, as an man pensal le essential in a suit of buildings for the subarblu residence, or a farm.

Many have been a cerred, from building the log house on account of the many factures and the general ignorance of the time principles of their constinction: and by so many having be neconstructed by grovel ling justenders - a manerous class, who think that if all men are not born are heters, they certainly were: and if they are a seventh is m, they are long doctors as well. It is fortunate for the masses, however, that a few proprietors have harned that it is as judicious and economical to employ an architect to design a building of any description, as it is to avail themselves of the best legal counsel when he all knowledge is required. Ignorance of the proper and economical construction of the ice positions also deprived many a worthy family of ice for a lifetune. I have constructed a number of ice points, that have given uniqual supply of good ice for years, where it was considered utterly impossible to make a crop of no. I can call to mind a number of ice houses which have been located by the quack architect, them ten rods to a third of a mile from the house; I will not waste space by commenting on such an arrangement.

The Proper Site for the Ice House and Dairy Room.

These structures, to be thoroughly useful and con-These structures, to be thoroughly useful and con-wement, should be so located that they may be entered from the culmary apartment of the farm house, of which they are properly as much a part as are the kitchen, partry and their room.

I would as soon think of piscing the wardrobe for the propertor's chamber, or the manly water-closet, in the cellar or cock loft, as I would of locating the

dairy room and ice house remote from the farm house; their value depends in a great degree on the convenience of their location.

I know of no investment in rural buildings that will give a better return than that expended in supplying proper ice house, dairy room and fruit room, health of a family, and the three sie ins parable economic structures, as the host two are directly dependent on the speciousless and perfection of the

As in many other matters pertaining to a high order of civilized life, the popular mind has to be educated and elevated before the great advantages of these structures are fully approceated. All adout the desirableness of a constant enging of pure milk, aromatic succe crown and butter, and luscious ripe fruit aromatic siece errors and butter, and tuscious ripe fruit every day in the year; yet but tew know that all are within their reach. The masses look upon them as very expensive luxures, obtainable by the very wealthy only, whilst they may be supplied and enloyed by a large impority of farmers at a title of the cost of the medical leaves which they make and maintain. Gilt edged butter and good fruit, properly ripened, few farmers' families in this country have ever seen. I am aware that many will consider this a broad asserting, and not a few will so doubt cos-sider it: autrue I adust that it is strange; but nevertheless, it is as true as it is strange, and will, I am aktisfiel, long contine to be say No class; is so am actistics, long contains to be so. As class is so slow in availing themselves of their rights.

It is a well established fact that milk is sue tible of being tained in the blood of the cow, and to satisfy the most aceptical that it is an after it has been drawn from the cow, they only need allow their olfactories one salute from the order of an unwashed milk can, on its way back to be tiled with. "pur-country milk." Purity and cleanliness must characcountry milk." Purity and cleaniness must enarac-terine everything that pertains to the production and namipulation of milk and its products, or a good quality cannot be preserved. The highest degree of chemical knowledge is imadequate to the task of removing taint once established in milk. To do this, we must connecte with the animal, the condition of the cow must be strictly normal, the air she breather must be pure, but the former must consist of due proportions of the highly and moderately autritions

substances, all known to be congenial to fuminating inatomalia. Undue and initiaturid-excitoment of the instantalia. Undue and inipatural excitement of the cow must be avoided, the muk should be artificially heated to 140° as soon as it is drawn, and it should be allowed to cool gradually, be well nired whilst it is cooling, and its surface should be exposed to pure and gently changing air, as long rait is kept.

Temperature.

A proper and uniform temperature at which milk should be kept for torsing the cream, say 58 to 60 degrees, is also very important. This it is impossible to scene and positivate in a dry cault or spring house, in the springment is well ventilated, unless to us used. But with the adjunctive influences of a properly constructed fee house, by which to cool both the water bath in which the mick is set and the sir of the darry room, it is feasible to change the arras often as is precisary and yet maintain the most desirable temperature, and by the air of a heater in the darry room, requiring lit a nonimal amount of fuel, the temperature may be controlled equally as well in January as in July.—J. Wilkinson, in Mary-

Spring Houses.

There is no better method of preserving that equable temperature which is necessary for the best indicagement of a dairy, than the use of a permanent spring of water. In uniter and summer the temperature of water, which issues from springs, is constant, or nearly so. The temperature, too, is as nearly as possible that which causes the cream to rise most rapidly and most completely. This is a very important point in butter making, and the excellence of the quality depends upon this probably more than upon any other circumstance connected with the operation. Besides evenies of temperature, pure air surrounding the mak and cream is a necessary thing to secure. A stream of pure flowing water insures this in two ways. There is no better absorbent of disagreeable seems than pure water, and the odor of milk fresh from the cow is very disagreeable; if it is not got rid of, it remains in the butter and inanagement of a dairy, than the use of a permanent of think from the first transfer of the force of the first of the firs fresh nir or pure water brought into contact with it. A current of spring water, flowing around the pans of milk, will carry off this odor completely, and in addition to its own absorbent property, it motion, through its lower temperature, the air of the spring house, and causes currents to pass continually mand out of the house, and over the milk. These currents of air are also full of moisture, and this moisture helps to alwork the odors. At the same time there is no evaporation from the milk or cream, and in a well- constructed and well managed apring-house, we never find the cream become dry and leathery, as at may do in dry, airy cellars or mile-rooms. Then there is the perfect cleanliness, which may be scentch where there is an ample supply of pure water, that may be added to the credit of a good ipring house.

The points necessary to look at most particularly in countructing a spring house are, the co-dices of the water, the purity of the air, the preservation of an even temperature during all scass he, and perfect drainage. The first is accured by locating the house drainage. The first is accurred by focating the moments he spring, or by conducting the water through pipes, placed at least four teet under ground. The spring should be dug out and cleaned, and the sides evenly built up with rough atone-work. The top should be arched over, or shaded from the sun. A spout from the spring should carry the water into the house. If the spring is sufficiently high, it would be most convenient to have the water trough in the house elevated upon a bench. There is then no neto take them out. Where the pairs in the water, or to take them out. Where the apring is too low for this the trough may be made on a level with the floor. The purity of the air is to be secured by removing all standard water or fifth from around the spring, all decaying roots and muck that way sowe collected should be removed, and the ground around the house be either paved roughly with stone, or solded. The openings which admit and discharge the water should be large enough to allow a free current of air to pass in or out. These openings should be covered with wire canze, to prevent in the covered with wire canze, to prevent in the house. The house sects or vermin from entering the house. The house should be smoothly plastered and frequently white-washed with lime, and a large ventilator ab add be made in the criting. Here should be no wood used in the walls or floors, or water channels. An even temperature can best be seenred by building of stone or brick, with walls 12 inches thick, double windows, id a ceiled read. In such a house there will see a