in case a dummy should be practiced on, we will the third and fourth. When a whip or crop is the question of fashion. A fashionable pedigree describe dismounting. When about to dismount, carried, it should be held in the right hand, two will cover a multitude of faults in the eyes of the horse should be brought to a stand, the rider or three inches from the butt, extending at right many breeders. Do we ever stop to consider again takes both reins in his left hand, catches angles to the left over the saddle, with the point what made certain strains or families of live rup, lifts the leg, and carries it promptly upwards the curb is worn more for form than for use, and derived from these strains are accounted fashionand backwards over the horse's back. As soon the tension exerted upon it should be very slight, ably bred? Was it the pedigree that brought as it has passed the saddle he catches the cantle but the rider should have such control of the curb these families into prominence? Most certainly with right hand, and lets himself down promptly reins that he can exert tension upon it when not. It was the remarkable excellence of the but steadily, gradually turning, until, when the necessary. right foot touches the ground, he is standing with his left shoulder towards the horse's near shoulder, in the same position as when mounting. He then promptly releases his left foot from the stirrup, and turns inwards until he is facing in the same direction as the horse, when he will take the reins in his right hand and stand to attention. As stated, mounting and dismounting may be profitably practiced on a dummy.

After mounting, the length of the stirrups must be adjusted. Different riders use stirrups of relatively different lengths, but on general principles we may say that a stirrup of medium length is proper. The leg must not be straight, neither must there be too great an angle at the comes on a level with the ball of the great toe, it is held with the heel about two inches lower than the toe, and the heel must not be turned too much inwards. It is not possible to ride comfortably with the heels turned outwards, but if they be held lower than the toes, and not turned too much inwards, the spurs, when worn, will not touch the horse unless the rider so desires. The stirrup leathers should be of that length that when the rider stands on his stirrups there will be about two inches between him and the saddle. When the horse is in motion the rider should sit erect. He may hold his reins in one or both hands; usually both are used. The arms, from the The arms, from the shoulder to the elbow, should follow the direction of the body, and the elbows should always be held closely to the side, not allowed to move upwards and outwards and then downwards and inwards with the motion of the horse at any gait, but be kept stationary close to the side at all times. All motion of the arms should be below the elbow. From the elbow to the hand, the arm should nearly follow the form of the body, and both hands be held rather close to the body at about the height of the pommel of arm from the shoulder, even though his mount be pulling hard.

At the walk, canter or gallop, the rider sits as firmly as possible in the saddle, and at all gaits and inwards, or forwards and backwards, with cases where breeders have deliberately left the regarding what ideals are safest to follow. the motion of the horse. When trotting, he beaten path, climbed the walls of prejudice must rise or "post" with the motion of his mount.

cases where breaten path, climbed the walls of prejudice in concluding these rambling observations, let erected on either side to keep the faithful from me urge upon every young breeder to make sure that his foundation is sound, and to assure him forward action, but this forward action should should be taken to acquire light hands. Posting, balancing the body, etc., must be done by the aid of tension put up the said to illustrate what might be called the origin of ideals. Where did Bakewell get his ideals? Subjected to such irregular tension of this find which arms as is often put upon it. By holding the arms and legs properly and exerting the necessary muscles, even tension is exerted upon the mouth. Unless these points are attended to the rider will be the said to illustrate what might be called the origin of ideals. Where did Bakewell get his ideals? Was it not from the fact that farm animals of his day did not meet the requirements of the farmer and the consumer? Whence came Cruicksbank's the blood or other juices of the sheep, and thus living at their expense. An animal which harbors of that cranky or a puller, either of which makes him farmer, and Cruickshank, with no thought of We cannot believe that such provision is made very uncomfortable to ride. When the rider has achieving fame, undertook to produce something willingly by the host, which not only receives had sufficient saddle exercise to ensure good that would supply the want. Here, then, are no benefit in return, but is often seriously injured hands and a good seat, he may ride with a curb two men who achieved undying fame through the drain on its system, and cometimes and wear spurs: but it requires good hands to increasing the usefulness of the animals they pre- killed by the parasites. The multiplication and ride with a curb and keep your mount in good duced. In other words, utility is the foundation crowding together of animals that have been temper, and it requires a good seat to enable a of all successful work in stock breeding. Fads domesticated has led to a great increase in the unintentionally.

Probably the most common method when using its foundation that can endure. but one hand (which is always the left), is to hold little and third finger, and the curb between ing blocks in the way of the average breeder is eight legs, and their head is not distinct from the

## STOCK

## Milk Flow and Fecundity.

follows that other associated functions would tended to serve as an ideal. be stimulate in a tribe of animals that showed an increase in milk flow, but to increase the as those of the older breeders. The demand of numbers of young at a single birth would be a the market, or, in other words, utility, must be too violent disarrangement of nature's plan, the foundation of correct ideals. When markets The Englishman's experiment is interesting as change, ideals must change with them. This showing to what an extent functions may be point has been well illustrated in our own counmodified by breeding, but as for adding material try of late years in the case of the bacon hog. value to the ovine tribe it is of no significance.

## Utility the Basis For All Ideals.

he himself created. His aims were to produce general public types which meet the demands of an animal which would give better returns for the day. The judge should know what the food consumed, and which, when fattened, would market demands, and his decision should, make the saddle. A good rider does not extend the meet the requirements of the market, giving less this point clear to the onlookers. Too often we offal, and a larger proportion of valuable meat are led to regard the show-ring as merely a battlethan the animals with which he started out. The field where breeders strive for supremacy. But Longhorn cattle, and to increase usefulness was where the everyday farmer and feeder of live he keeps his knees slightly pressed against the English cart-horse. We have stated that Bake- most in demand. The show-ring should be eduflaps, not allowing his legs to deviate outwards well had no beaten path to follow, but there are cational, and should spread abroad information Amos Cruickshank, and the stories of his trials utility last, utility always not be observable above the waist, the body and difficulties, and of his ultimate triumph, are above which should be carried erect. Care too well known to require repetition here. We Ontario Agricultural College, Guelph. should be taken to acquire light hands. Posting, might go on citing incidents of successful breeders Unless these points are attended to, the rider will of the tenant farmer. The Shorthorns of that bors parasites is called by naturalists the "host." worry the mouth," and the horse will become day did not meet the requirements of the tenant-because it provides them with food and shelter. man to ride with spurs and not prick your horse and fancies may have their day, but they even numbers of their parasites. A knowledge of the tually disappear, and their originators are forgot-life-history and form of these parasites is, there-There are several ways of holding the reins. ten. It is only the work which has utility for fore, of importance to the flockmaster who wishes

It is not unprofitable for present-day breeders

the pommel, releases his right foot from the stir- slightly elevated. With a good saddle horse, stock popular, or fashionable, and why animals animals from a utility standpoint which attracted attention to the families to which they belonged and caused their pedigree to become popular or fashionable. Take Shorthorn cattle, for example. Scotch Shorthorns are popular at the present day, especially those which trace back to the herd of Amos Cruickshank. Whence came their popularity? Was it not from their excellence as utility animals? But, unfortunately, Scotch cattle are not all good. Even among An English breeder of sheep conceived the the most fashionably-bred sorts we find inferior idea some years ago that if he could increase specimens, and if the excellence of the animals the milk producing propensities of his flock an have disappeared, of what value is the pedigree? increased fecundity would follow. He accord- A Scotch pedigree is good, but it must be acingly set about his task and has developed a companied by an animal possessing Scotch merit. flock with four active teats to the udder instead The same principle applies to all classes of stock, knee, as would be given by a short stirrup. The of two. His experience, however, does not bear and there is always a danger that the inexperfoot being placed in the stirrup so that the weight out his first hypothesis, for his flock is no more ienced breeder may mistake the shadow for the prolific now than when they gave less milk, nor, substance. The pedigree is the shadow. It inwe surmise, are they likely to be. We have dicates possibilities, and gives us indispensable nevern oticed, nor have we heard it observed, information regrading the ancestry of the animal; that dairy cattle more generally give birth to but the animal is the substance, and if it is, a twins than do those of the beef breeds although weakling, no pedigree can make it good. No they probably are more regular breeders. Milk reflection is intended upon pedigree as a means to production being a maternal function it naturally assist the breeder, but pedigree was never in-

Modern ideals, then, must have the same basis If we are to succeed as breeders of flesh-producing animals, the feeder, the butcher and the consumer must ever be kept in view, and our ideals shaped accordingly. In this connection When Robert Bakewell started his work of im- the show-ring plays an important part, The provement upon the Leicester sheep he had no show-ring cannot originate ideals, but, if combeaten path to follow, and no ideals except what petent judges are employed, it places before the same objects were kept in view in his work with it should be more than this; it should be a school

This should be done by extending or straightening straying, and blazed new trails which eventually that his foundation is sound, and to assure him the knees sufficiently to raise the body slightly became popular highways, overshadowing in that there can be no safe ground except that of from the saddle, at the same time giving a slightly importance the original paths. Such a man was utility. Let his watchword be, utility first, G. E. DAY.

to protect the beasts under his care from disease. Many well-known worms, such as the liver-

the hand with the back upwards, the right snaffle to turn back the leaves of the past and study the fluke and various thread-worms, are dangerous rein between the thumb and forefinger, the left results of following true and false ideals. The parasites of sheep. In the present article, how-between the third and little finger, the right curb great markets of the world practically fix our ever, attention is drawn only to those sheep parasites. rein between the fore and second finger, and the ideals. If our ideal is out of harmony with sites that belong to the great primary division of between the second and third, with the ends market demands, we may rest assured that we the animal kingdom, whose members are disthe reins hanging from the little finger side. must either change our ideal or be numbered tinguished by a firm outer skin and jointed legs. ben both hands are used, they are held with among those who have essayed the impossible Two classes of these animals are represented on backs upwards, the snaffle rein held between and failed. Perhaps one of the greatest stumbl- sheep. The "spider-animals" (Arachnida) have