prices have fallen in spite of the requirements of grain in old world centers.

ciple in economics that any commodity must bear the cost of its own distribution from proto be legion and would convince the superstiinstrument might reveal if it could be turned upon the future of the wheat trade.

HORSE

Wintering Colts.

Colts are nondescripts, for the rearing of which no definite rules can be given, but common sense, patience and alertness should prevail. These awkward animals, utterly useless as yet, must nevertheless, be carefully looked after, the aim being to supply food liberally, with plenty of sunlight and an abundance of exercise. Oats lead to the list of feeding stuffs, but shorts and bran with barley may be profitably used where economy is important. These feeds, are rich in bone-making material and will be found satisfactory as well as economical. Colts suffer at times from teething, and to subsist wholly upon hard, dry food may work injury. Steamed crushed oats or barley, thickened with bran, will prove appetizing and very nourishing in such cases. Roots may be cooked and the mass extended with ground grain and bran. A limited quantity of this food given at night in the winter-time, daily, or two or three times a week, will show general appearance.

concentrated grain in large qui place at this period is to be depreciated, for it is important that the disgestive tract be developed to a moderate extent by distention with coarse feed that it may serve its purpose when the animal is grown. The "big belly" whole, and also consider it is well to practically procurable, it will give better results than cut which a properly fed celt may correctly feed celt may correctly feed celt may correctly feed this cook them by putting in a pail or other vessel, straw. which a properly-fed colt may carry at this cook them by putting in a pail or other vessel, straw. period is nothing to its harm, even though it annoys the shortsighted stockman who foolishly may wish to see his growing colt the trim form of the finished product.

A fair allowance for the colt, measured in oats, is as follows.

Up to one year of age, from two to three pounds.

From one to two years of age, 4 to 5 pounds. From two to three years of age, 7 to 8 pounds. While an ample allowance of such roughage as hay, straw and stover should be supplied, it should always be less than the animal

would eat had it free access to this provender. The colt, like the mature horse, should not be allowed all the roughage it can consume, for such over-supply tends to gorge the digestive tract with inert matter, and may work lasting injury.

Liberal feeding must be counterbalanced by an abundance of outdoor exercise. In no other way can colts be ruined so surely and so permanently as by liberal feeding and close confinement. Each day from three to ten hours should be spent in the open air, according to the condition of the weather and other circum-

Economical Methods of Winter Feeding.

This is the stage where the injustice of the prices of mostly all varieties of stock food, in renders them more palatable and gives good situation developes. Because of the high price most, if not all sections of the Dominion, results, and if the colts be turned out for of money, prices for wheat have declined thus economy in wintering horses becomes an imforcing the producer to take less for his grain portant matter with most owners. Horses than it is actually worth and this condition that have to perform regular work, either heavy in which there is danger of their eating too appears likely to remain until a large proportion or light, must, of course, be fed as working much. Our observations and experience have of the crop has been marketed and the proceeds horses demand, and notwithstanding the high from it put into circulation. It is a fixed prin
prices of oats and hay, these must form the safe and wise to allow weanlings all the oats major part of the rations; but horses, either they will eat, especially if treated as above, young or old, male or female, breeders or non- and the colt given regular exercise. breeders, that are not to be called upon to perducer to consumer and money being just as neces- form regular work, may be kept in good consary to distribute wheat as cars and boats, dition on mixed rations, with only a percentage it is obvious that the high charges for money of the more expensive foods. All foods being will create a wide spread between American and high in price, we cannot expect to winter horses European prices for wheat. The vicissitudes of cheaply, but a little consideration and time in the wheat-producing industry in Canada seem mixing foods will lesson the cost considerably. It must be understood that sudden or violent changes in food must not not be made with tious that it was beset by some supernatural any animal, as such is liable to cause digestive sinister agency. First, blockades at elevators, derangements, entail a veterinarian's bill, or foods, many of which, if given alone would be then car shortage, then lack of capacity on lake probably cost the life of an animal, and there-neither palatable or satisfactory in results. boats, and now the high price of money. One by defeat its own object, viz., economy. For can be given with reasonable satisfaction. can scarcely guess what a commercial X-ray instance, horses that have been worked, and Straw is generally of good quality this year, well fed on hay and oats, if when work ceases, roots a fair crop, and in some sections corn a the ration is suddenly changed to straw, roots, fair crop, fodder corn generally considered a and a little grain or other mixtures, are very suitable food for horses, a reasonable quantity liable to suffer from indigestion or constipation can be used in a mixture of foods. In mixtures, This danger exists in animals of all ages; hence, should be cut, all grain chopped, and roots be made gradually. The change from hay to pulped roots (turnips, mangels or carrots), 2 straw should be gradual, by gradually reduc- parts cut hay, and 4 parts cut straw (oat or the supply of hay being reduced and that of with a quart of chopped oats or its equal in straw increased daily, until in ten days or two weight of other chopped grain, to about every The digestive organs of an animal become ac- a reasonable price, the addition of as much to digesting certain foods, and if a sudden change For the average-sized horse, a half bushel of be made, even to foods that are, under ordinary this mixture three times daily should suffice circumstances, as easily or even more easily and keep him in good condition, small or young digested, the change is so sudden there is danger animals being fed in proportion. In cold of disease. The same rule, of course, applies weather, sufficient of this mixture can be made it is economy to limit the supply of the very bulk to become too hot, nor allowed to stand best food that can be obtained. The first win- long enough to ferment too much and become ter is a very important period of a colt's life, too sour. The length of time it will remain fit to a very great degree, depend upon his care and the temperature of the compartment in and thriftiness during this period. If through which it is kept. Of course, it must not be alnot develop properly, and he will not make as and straw and chopped grain, in which case it its effect in a better colt and a more thrifty ment during the following years of his develop- Sufficient moisture is supplied by the roots Witholding coarse provender and giving ferred) and oats (rolled or chopped preferred) a light ration of whole hay or straw occasion-have at this period is to be depreciated for it

pouring boiling water over them, then covering the vessel and allowing to stand for a few days Owing to the shortage and consequent high before feeding. This treatment of the oats a few hours every day, or in other ways be given regular exercise, there are very few cases taught us that, with few exceptions, it is both

Colts over one year, idle or comparatively idle horses, brood mares and stallions, can be treated differently as regards food. Of course, horses that will be needed for work next spring, stallions that are needed for stud service, and brood mares nearing full terms of pregnancy. should be well fed on first-class food for a few weeks before these functions will be required.

During the winter months, a mixture of in a few days after the change has been made. of course, all food, as hay, straw and corn, when there is to be a change made, it should pulped. A mixture of, say, 1 part by bulk of ing the hay ration and giving a little straw, wheat straw preferred, but barley may be used). weeks a full straw ration can safely be given. one-half bushel of the mixture. Where bran is customed to performing certain functions or as of the grain can be added with advantage to all changes in all classes of stock, but pro- to last three or four days. Experience will bably more particularly to horses than to rum- teach the feeder how long it will remain sweet. inants. In regard to weanlings, I do not think Of course, it must not be mixed in sufficient and his development and future usefulness for food will depend largely upon the weather want of proper food or other causes he is not lowed to freeze. When roots are absent, of kept in a healthy, thrifty condition, he does course, the mixture must consist of cut hay good an animal as he would have under more is probably wise to moisten with water, in order favorable conditions, notwithstanding his treat- to insure a more thorough mingling of the food. ment. Hence, we consider that he should when present. It is good practise to vary the



THE SCHOOL PONY AT THE EXHIBITION. "GEORDIE" MUTCH, LUMSDEN, EXHIBITOR.