April 14, 1909

afraid of anything c" him after them, are dogs that are Teach him also to wolf, then you will re or less protected. d say about the dog are not reared exountry, but I have which would, after dales and pen some an increduously show that the dog is nany seem to think are black sheep in d the best I can of is a fairly hard prowill advise whoever ne and use patience, he may pick up and most useful animals

Founded 1866

H. LAVENDER.

urpose Dog

not rear a collie on l milk, given plenty im is easily settled lien in the original oung dog. I begin four months of age. to fetch and carry tt or glove, or any throwing it a short back, at the same is very important or this purpose and prefer carrying it in f scent being always to play with when nake them careless on daily for four or the time to spare. when the pup does for him, throw it up iold of the pup and ow it away. In a

s and fond of it, I n I get him a short glove and walk on ying: I lost. Let st few times. You ce at each succeedand the game. So e is no obstacle. I the famed Wishaw ch my pockets and ; back on my scent my saying a word. tions one would be 1 to sporting dogs view I take of it is al purpose one, and ar with that is so llie. I get mine to ther, equal if not ng now to the most aining, I may say, e more or less satisk it is quite neces tage of his blood pect much success. nths of age is soon I've had n cattle. they started work. a bunch of cattle ives him a better One good way of

some distance away. This time I had the horse stabled without her coming to welcome me. I went stabled without her coming to wereome me. I went to see what was wrong, found the "Kraal" gate open and forty or fifty cattle trying to get at a stack of oat sheaves I had there for winter feed, and the collie there is the state of the sta keeping them away. She did not let them get a half dozen sheaves altogether. My man said he did not dozen sneaves altogether. My man said he did not know what was the matter with the dog. She kept barking all night so he could not sleep. How did she know that they should not be there? Then note her staying at least five hours watching. I have sent her nary collie, but both his parents are fair dogs. As to hunt up lost halters on the pasture successfully. Soon as the pup is able to follow one, I take him with infinds us that hall is a local phenomenon of thunder-One day my watch dropped out of my pocket into the me wherever I go on the farm but never off it. I storms, rare in the tropics, unknown in the polar make him keep behind, a very small switch in your regions, and of greatest frequency in temperate zones, and of greatest frequency in temperate zones, hand is a good teacher. When he has learned your especially in hilly localities, where they follow valleys and lost it and sent her back on the sleigh track. In a had lost it and sent her back on the sleigh track. In a few minutes she was back with it. I could fill pages with what a collie can do on a farm, if trained fairly well and treated kindly. I have said nothing about training for sheep, as, in the space allowed, I could not do justice to the subject, and, unfortunately, sheep seem, as yet, few and far between on Manitoba farms.

How to Train a Dog for Farm

E. McIvor,

Man.

motions of the hand; second, by the whistle, third by sheep will turn and follow you and you tell the dog to the voice. The first is practiced when the dog has to go beyond the range of whistle and voice. The thing else. You can go ahead and open gates, etc., second is good and very interesting but the third is and the dog will bring the sheep in. Never let him the most general. This has its drawbacks as you bite a sheep, but you can tell him to heel up pigs or cannot make a dog understand Scotch that has been cattle, but make him stop when you say steady. taught English and vice versa. That is why I say one Always motion with your hand when you want him dog, one trainer and one master.

Now in the selection of a young dog, I like one that has a good, width of forehead, which shows intelligence, inclined to be frolicsome and mischievious, and one that does not mind a little mild punishment for its tricks. Select one, it possible, when it is sucking on their fields. It was its mother, one that has chosen a hind teat as its share, as there is a greater chance of their being good in a day, but with patience and a little common sense in a day, but with patience and a little common sense in a day, but will have a good dog when shout the month of the provent har from failing on their fields. It was These facts were completed in that day that thunder-storms could be driven off by firing guns and ringing bells. drivers. Old experienced shepherds rarely pick a you will have a good dog when about ten months of pup that suckles in front, as the chances are that it age will be a header.

In training, the young dog should never be dis couraged by severe punishment, should be taken to the stock by no one except the man training him.

Take him along—led by a cord—whenever you are taking the stock out, or fetching them into the barn, and take trouble to get behind and encourage him to bark. Say, "take them on," if he makes for the head give him a sharp check and teach him to keep behind. When you wish him to fetch them back, or turn them,

them steady or great damage can be done to in-calf = cows or in-lamb ewes, so take care to teach the dog that. Keep him on the string until you think you have made an impression on him as to what you want him to do. If one has not the time and does = not require the necessary patience, the next best thing is to send a young dog to a man who understands the work, who usually has a well broken old dog, couples the two together and then he is not so long in picking up his business, and when he has learned it he is very useful, but partly learned is useless and often a nuisance. I. RICHARDSON. Man.

FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG

ask your dog to do anything that you are not sure jerk him, don't throw half your vocabulary at him, (b) the growing of alfalfa. Prizes are offered for that he can do. Never punish him unless you have "whip a dog for doing wrong, but never scold him, both A and B. What we want is the experience

that he can do. Never punish him unless you have "whip a dog for doing wrong, but never scold him, a hold of him, and always keep him beside you until remember their brain is small." Now as to running out into the road and barking all the excitement is gone. When he does anything well be sure you tell him so. Never speak roughly to him when you don't feel just in the humor. Many a fine dog is runed by being petted sometimes when fine dog is runed by being petted sometimes when fine dog is runed by being petted sometimes when fine dog is runed by being petted sometimes when fine dog is runed by being petted sometimes when for the humor suits, and, when it does not, gets kicked. I will be everybody's dog. This must all be done in does sometimes do a bit of thinking on his own "hook:" Notice your dog whenever you come home or when Having occasion to be late from home at the be-you go away. It will keep him in better spirits. No inning of this winter I heard the collie barking at animal has as sensitive a temperament as a dog, so Having occasion to be interior none in the backing at animal has as sensitive a temperament as a dog, so ginning of this winter I heard the collie backing at animal has as sensitive a temperament as a dog, so something as I got near home. She usually meets me let him know he is your friend as well as your slave.

Some Hints on Training

In answer to your question of March 17th, how to train a dog to be a useful animal around the farm, I will give my system, as the dog I have now and his full brother, also trained by myself, are the best dogs I have seen in the country. My dog is just an ordisoon as the pup is able to follow one, I take him with in himself, as the cattle will be sure to kick him, then he will go for their heads. Take about thirty feet of binder cord, and tie one end to the collar, and hold the other in your hand. Tell him to drive them on. When he gets about five feet away from the sheep or pigs, shout "steady" and stop him with the cord. steady. Then tell him to go before them, waving your hand at the same time and run with him a time or two till he begins to catch on. Then send him by himself. Always stop him with the cord when you shout "steady." Send him first one side of the sheep, and then the other, after you have taught him to go when it was prove defense against hail was solved.

EDITOR FARMER'S ADVOCATE: Training a dog takes time and patience, one dog, one trainer only. Breed is a matter of fancy. I have had good old English sheep dogs and good Scotch had good old English sheep dogs and good Scotch are three ways of training dogs to work. First by motions of the hand; second, by the whistle, third by the yoice. The first is practiced when the dog has to stay, behind. He will learn this cuicker the stay, behind. bring them on, and you start to walk away. The Stieger, wit sheep will turn and follow you and you tell the dog to This idea to do anything and he will go as far as he can see you. Never play with him or allow anyone else to. Never allow him to follow you to town or around the neighborhood where he will get acquainted with other dogs, but tell him to go home. I have sent my dog home ten miles when he had followed the buggy unbeknown

OLIVER BROWN.

the Census and Statistics office, at Ottawa, has esti- now much exposed. mated the amount of wheat then in farmers' hands in the whole Dominion at 20.22 per cent. of last year's 112,434,000 bushels. Of oats, there were 43.62 per cent., being 109,222,000 out of 250,377,000 bushels. go with him until you see he is quite as anxious as you are. Talk to him and tell him what you wish him to do and you will be surprised how eager he is to get to work and do it.

FARM

Letters Upon Farming Operations Welcomed.

May 5.—What has been your experience in har-rowing grain after it is up? Have you adopted it as a fixed practice? Tell why you do it, and give what you consider practical hints.

May 12.-What method do you follow in keeping cream in the best condition for delivery to a cream-gathering creamery ?

Prevention of Hail

A recent issue of the Literary Digest contains an interesting article on the prevention of hail, trans-lated from La Science Illustree. The writer first reminds us that hail is a local phenomenon of thunderelectrical attraction and repulsion played a part, to the one generally accepted at present, which assumes that the hailstones are sustained, during their form-ation, by a rotary air current. All these theories of hail, however, are of more interest to the meteorologist than to the farmer, who is most anxious to know

and then the other, after you have taught him to go Powder was first used in this way on the assumption around them and to stop when you say steady. Powder was first used in this way on the assumption When he is on the far side of the flock tell him to bring them on, and you start to walk away. The Stieger, with the idea that it would prevent the forma-

This idea may seem absolutely original, but this is a great error. There is nothing new under the sun! The ancient Romans were acquainted with the phylloxera before us, and they used, like us, artificial clouds of smoke to protect their vines from nocturnal We will doubtless be told some day that they frosts. would also have known of the hail-protector mortars, only powder was not invented in their day. though the Romans had not these mortars, it is plainly shown by ancient accounts that various farmers of the seventeenth century used the explosion of powder to prevent hail from falling on their fields. It was

Stieger, and of course do not detract from the credit due to him. In 1896 this proprietor of vineyards, the burgomaster of Windisch-Freistritz, having re-Reporting on the quantities of grain, hay and roots planted part of his lands on the Schnitzberg, adopted on hand in Canada at the end of February, and the condition of the live stock in the country at that date, against hail-storms, to which this treeless region is

Along a line about 6 kilometers $(3\frac{1}{2} \text{ miles})$ and at elevated points, he set up six brass mortars weighing in the whole Dominion at 20.22 per cent. of last year's elevated points, he set up six blass mortars weighing crops, which would be 22,747,000, out of a total of each about 80 kilogrammes (180 pounds); each crops, which would be 22,747,000, out of a total of mortar was about 3 centimeters (11-5 inches) in diameter and was 50 centimeters (20 inches) long. Stieger organized a corps of volunteers composed

work and do it. There is one very important thing in dogs, driving tattle or sheep. They should be taught to drive them steady or great damage can be done to in colf protected region. The experiment was repeated six times in the course of the summer, always with suc So in 1897 the number of stations was incess. creased; there were thirty-three in that year and fifty-six in 1898 in the same region.

The effect of a violent disturbance of the air in pre-

ig cattle along the very often starts to ie first lesson a dog the cattle. Never ist but to go clear making it a point ou must have him do this you must words and signals same word for the to short, sharp lesirable habit of

a well bred collie them away. The he cattle towards get in front of the after me. Then behind, checking ont. With some uired of him. out the stock being 1, and, by waving g to the right, and when the dog gets as to go altogether o miles across the ance without him

space at my disbe useful. Never

EDITOR FARMER'S ADVOCATE:

MaIn teaching a dog to drive cattle, begin when he is his playfullness and should know what "sicam" and than the subject is scheduled for discussion in our thus sufficient to space these novel pieces of artillery "stop" mean. Take a twine string, about 200 feet columns. long, and tie it to his collar. Take him to the pasture and send him after the cows. Let him keep at their heels, but never at their heads. If he attempts to go to the head give him a smart jerk. In this way, that is, by means of the string, you can also teach him to sum for is, by means of the string, you can also teach him to sum for other contributions on the subject re- quite conclusive. drive at a moderate pace. Most dogs drive milch ceived and published in the same issue. Our southern cows too fast. When you want him to stop tell him so in a sharp clear voice, saying, "stop," and if he does through this practice once or twice a day for a month and he will know as much about driving cows as you seeding and after care, have you used with best, encourage experiments, and these will take place do. If a dog does not start off when bid, after you success in (a) the growing of red clover or alsike during the course of next summer.

Topics for Discussion

For the best article received on each topic, we will award a first prize of Three Dollars, and proper dimensions, and the charge of powder necessary for the second best Two Dollars, paying the latter to give a satisfactory result. They seemed to be

ORDER OF SUBJECTS

venting a hail-storm may be explained if we suppose **Lopics for Discussion** that the superfusion of water plays a part in the To afford an opportunity for the interchange of formation of hail. The little drops would solidify To afford an opportunity for the interchange of ioniation of name the inter energy would solve a separately on formation, and could not unite to form ideas, and to provide a place where information large hailstones. The phenomenon would thus be in may be given and received, we will publish each some sort regularized. On account of the excellent week at the head of this department a list of effects obtained with hail-protecting mortars the topics, which our readers are invited to discuss. farmers of Venetia and Piedmont have established

Teaching the Dog to Drive EDITOR FARMER'S ADVOCATE: WINCH Subjects which our readers are reminded that WINCH Subjects given, conical mouthpiece can protect a circular space 500 must be in our hands at least ten days earlier to 700 meters (1,650 to 2,300 feet) in diameter. It is from 1 kilometer to 1½ kilometers apart. Experi-ments have been lately made at Monza, Italy, to de-

termine the best form for the conical mouthpiece, its

Our southern cultivators of the vine, who suffer such injury yearly from devastating hail-storms, are beginning to be moved by these facts. During the discussion of the agricultural budget a question was