

QUESTIONS AND ANSWERS.

1st.—Questions asked by bona-fide subscribers to "The Farmer's Advocate" are answered in this department free.
2nd.—Questions should be clearly stated and plainly written, on one side of the paper only, and must be accompanied by the full name and address of the writer.
3rd.—In Veterinary questions the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.
4th.—When a reply by mail is required to urgent veterinary or legal enquiries, \$1.00 must be enclosed.

Miscellaneous.

LOSS OF WEIGHT BY DRIVING CATTLE.

1. How much should fat cattle lose in weight by being driven two or three miles, if fed as usual and handled carefully?
2. Would the weight of private scales stand law, if the scales had been tested and the weighing done by a reliable person?

Ans.—1. Fat cattle fed a normal amount and driven three miles at a quiet walk would probably lose 2 per cent. in weight. This percentage would, of course, increase the longer the cattle were allowed to stand around before being weighed. Driving rapidly or exciting the cattle in any way will cause a rapid and considerable loss in weight, sometimes up to 5 or 6 per cent. in a couple of hours.
2. Too many qualifications necessary or possible in connection with weighing on a private scale to make it possible to express an opinion of any value.

J. H. G.

Veterinary.

CHOREA.

Year-old dog has for two months had a constant twitching of his muscles, more particularly on his left hind leg, the haunch of which seems to have atrophied, and the leg is weak. When working with cattle he appears all right, but when at rest, either standing or lying, the twitching at once commences. B. S.

Ans.—This is a nervous disease called chorea. It occurs as a sequel to distemper, which disease may have been very slight. Recovery is doubtful. Give him 10 grains bromide of potassium three times daily, and give ½ ounce castor oil once weekly, to keep his bowels moving freely. V.

INVERSION OF THE VAGINA.

Three weeks before calving, my heifer, which was very fat, exposed her uterus and strained as though about to calve. I had to be always forcing the uterus back, and at last had to put on a retainer. What was the cause, and would you advise breeding her again?

R. G. McL.

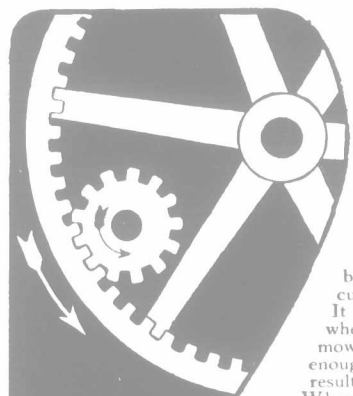
Ans.—It was the vagina, not the womb, that she inverted. The womb cannot become inverted until after delivery. The cause of inversion of the vagina is irritation, a laxity of the part, or lying with hind quarters much lower than the fore. The condition is very liable to recur and give you further trouble. In fact, it usually becomes worse year after year, hence I do not think it would be wise to breed her again. V.

FATALITY IN PIG.

1. Sow had 17 pigs, but could nurse only 9. One of these died. It was a puny little fellow, and had a growth of some sort in its mouth, and it commenced to fill one of the nostrils. It was a soft-looking, dark growth, and made respiration difficult. The other eight pigs are doing splendidly.
2. How soon after weaning will she show oestrus?

Ans.—1. This was, doubtless, some form of tumor. It is not possible to say what causes such growths, but they occasionally appear. In some cases they can be removed surgically, but when they continue to grow, as in this case, they must cause death.
2. Usually from one to three days. V.

Owing to the unusual lateness of seedling operations, the auction sale of Dalgety Bros.' imported Clydesdale mares



No "Flying Start" Needed with FROST & WOOD No. 8

Why, think you, do you have to back up some mowers a few feet and get a "flying start" before the knives will cut?

It is because the gear wheels on external gear mowers do not mesh fully enough and lost motion results.

When selecting a mower, see if the small gear wheel is inside the large (the internal gear, note illustration) or outside of it (the external gear.)

If it is the external gear you'll find only one cog in mesh. To start this kind of a machine in heavy hay without first "getting up speed" is impossible. There is so much "slack" to be

taken up in the gears between the Main Drive Wheels and the Pitman, that the horses have to travel quite a distance before the knives commence cutting.

Now, look at our top illustration (better still, see our No. 8 Mower), and what do you find? Why, that two cogs are always in full mesh and at least one other in touch. You'll readily understand by this that the Internal Gear is just about three times as fully in mesh as the External. The gears mesh so completely that they simply must turn smoothly and precisely together, with never a slip. You can take our No. 8 into the heaviest part of your hay field and the knives will commence cutting the instant the horses step up.

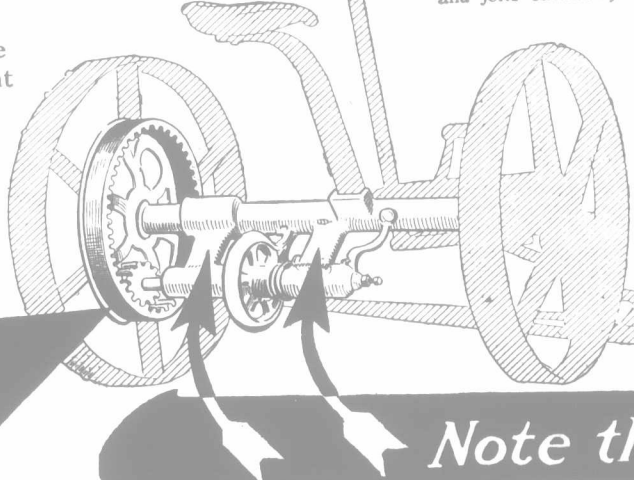
Furthermore, in the external arrangement, the wheels turn away from each other, out of harmony, and the cogs wear down.

By the internal method (see top illustration) the wheels move in the same direction, in harmony, which reduces friction (wear) to the minimum. The result is a smooth and easy-running machine—the pride of the owner.

Look at the small arrows pointing to our double brace. The other method, you understand, is to have but one brace at this part of the mower. You can see for yourself how much wiser it is to have the double brace. It greatly strengthens the machine where a big strain falls, and more fully protects the working parts against the jars and jolts caused by driving over rough ground.

Then, too, the No. 8, thanks to the use of generous sized Roller Bearings, delights the horses by running so "easy," instead of making them work so "hard," as some mowers do.

Just see our agent in your locality. But first drop us a post card for catalogue F4



THE FROST & WOOD COMPANY, Ltd.
Smith's Falls, Canada

Note the Double Brace

POULTRY AND EGGS

Condensed advertisements will be inserted under this heading at two cents per word each insertion. Each initial counts for one word, and figures for two words. Names and addresses are counted. Cash must always accompany the order for any advertisement under this heading. Parties having good pure-bred poultry and eggs for sale will find plenty of customers by using our advertising columns. No advertisement inserted for less than 30 cents.

BUFF ORPINGTON EGGS—\$1 per 15; 9 chicks guaranteed. Splendid selected stock for eggs and market purposes. Free illustrated catalogue. Hugh A. Scott, Caledonia, Ont.

BUY 95% FERTILE EGGS—That will produce winter layers. Ancona eggs, \$6 for 100; fifteen for \$1. Single-comb White Leghorn eggs, \$4 for 100; fifteen for \$1. Special price on larger quantities. Free circulars. Edward C. Apps, Box 224, Brantford, Ont.

EGGS FOR SALE—Imported Imperial Pekin ducks, Rankin strain. Fertile eggs for hatching one dollar for eleven. Milton Bean, Mount Dennis, Ont.

EGGS REDUCED—Indian Runner ducks, \$1.00 per 15. Single-comb Brown Leghorns, 75c. per 15. Frank Bainard, Glanworth, Ont.

EGGS FOR HATCHING—Barred and White Rocks, White and Silver Wyandottes, Black and Buff Orpingtons, Brown and White Leghorns, Black and Spangled Hamburgs, Houdans, Black Javas, Dorkings, Single and Rose Combed R. I. Reds. These birds won over 300 1st prizes at nine shows. \$1 per fifteen eggs. F. W. Krouse, Guelph, Ont.

GREAT reduction. Reds. Eggs from our grand exhibition and great egg-producing strain of R. C. Rhode Island Reds, only 75 cents. Bert Smith, Coltonville, Ont.

SINGLE-COMB Brown Leghorns, free range. prompt shipment; twenty eggs, one dollar; fifty eggs, two dollars; one hundred eggs, three dollars. Isaac Reed, Ardrea, Ontario.

S-C WHITE LEGHORNS of prizewinning strains. Eggs priced for remainder of season, 75c. for 15, hatch guaranteed. Geo. D. Fletcher, Binkham, Ont., Erin Station.

and fillies at London, on May 25th, was not largely attended. The offering, for the most part, was of an excellent class, though not looking their best, having landed only a few days previously, and the bidding for some of the best was not up to their value, so that little more than half the number were sold, while buyers got good bargains in those that were disposed of.

A great sale of Shorthorns was that from the herd of Carpenter & Ross, at Mansfield, Ohio, on May 25th, when 46 head sold for \$21,435, an average of \$466. Four females sold for \$1,000 each. Maxwellton Sultan, a son of Whitehall Sultan, sold for \$2,200, to Rosenberger & Edwards, Tiffin, Ohio. The average is a record one in the United States for the past two years.

GOSSIP.

The latest figures on the number of pedigree live stock in the United States show that a shade over one per cent. of the horses, dairy cattle and beef cattle are registered, and about one-half of one per cent. of the sheep and pigs. The total number of cattle that have been registered, and the number living, of each breed, at the end of 1907, are given as follows in a report just to hand from the Bureau of Animal Industry:

Breed.	Registered No.	Living No.
Shorthorn	715,063	279,000
Jersey	284,270	125,900
Hereford	268,383	115,000
Holstein-Friesian	155,718	65,100
Aberdeen-Angus	105,392	72,176
Red Polled	43,514	20,000
Guernsey	34,852	22,000
Ayrshire	32,405	8,306
Devon	22,572	14,600
Galloway	20,700	17,100
Polled Shorthorns	14,572	10,186
Brown-Swiss	5,996	2,500
Dutch Belted	2,034	675
Sussex	273	176

Official records of 150 Holstein-Friesian cows were accepted by the American Holstein Association from May 6th to May 13th, 1909. This herd of 150 animals, of which over one half were heifers with first or second calves, produced in seven consecutive days 59,998.3 lbs. of milk, containing 2,140.265 lbs. of butter-fat; thus showing an average of 3.57 per cent. fat. The average production for each animal was 400 lbs. of milk containing 14.268 lbs. of butter-fat; equivalent to 57 lbs. or 27 quarts of milk per day, and 16.65 lbs. of the best commercial butter per week.

IMPORTANT SHORTHORN SALE.

On July 1st, as announced in the advertisement in this issue, the entire Shorthorn herd belonging to James I. Davidson, Balsam, Ont., will, owing to continued ill health of the owner, be sold by auction at the Sittytown Grove Farm, near Claremont (C.P.R.), 25 miles east of Toronto. The farm has long been a noted one, and since the dispersion of the herd owned by the late James I. Davidson, his son has been quietly but persistently collecting a herd of the highest class, both in breeding and form. His health having completely broken (it is feared), the cattle must be sold. Fuller particulars will be given in following issues.

WANTED

Advertisements will be inserted under this heading, such as Farm Properties, Help and Situations Wanted, and Pet Stock.

TERMS—Three cents per word each insertion. Each initial counts for one word and figures for two words. Names and addresses are counted. Cash must always accompany the order. No advertisement inserted for less than 50 cents.

FRUIT FARM FOR SALE—Desirable, well-kept, twenty-acre homestead in famous Niagara fruit district. Good clay loam. Five acres under tender fruits, chiefly grapes. Charming and very conveniently situated one mile south of Beamsville, midway between Hamilton and Niagara Falls. Grand Trunk and electric line depots within easy reach. Neat, serviceable buildings. Spring water. Telephone. Owner dividing his farm. Will sell smaller lots to suit purchaser. A good investment and an ideal home. Address: Box A, Farmer's Advocate, London, Ont.

FOR SALE—The Spilsbury farm, 274 acres, three miles east of Colborne. Two good dwelling houses, new bank barn, old and new orchards, forty acres timber. For particulars apply to G. E. R. Wilson, Colborne, Ont.

HERDSMAN DISENGAGED—Late of Isaleigh Grange Farm, Danville. Expert fitter for show or sale. Life experience in feeding and breeding. Address: Donald Livingston, Brunswick Hotel, Richmond, P. Q.

LAND FOR SALE—Veterans' Script entitles holder to three hundred and twenty acres of unlocated Dominion lands in either Manitoba, Saskatchewan or Alberta, at less than three dollars per acre. This is your opportunity. Write us for full particulars. National Realty Co., 47-49 Richmond Street, West, Toronto.

TRACTION Engine for Sale—One New Ross 18-horse-power, cheap. Has not been in use yet; also 30-horse-power firebox boiler, tested 200 lbs. C. W. P. repairs, R. J. Black. Apply H. E. Jolliffe, St. Catharines, Ont.

WANTED—Persons to grow mushrooms for us at home. Waste space in cellar, garden or farm can be made to yield \$15 to \$25 per week. Send for illustrated booklet and full particulars. Montreal Supply Co., Montreal.

Green Grove Shorthorns and Yorkshires A few young bulls and sows, ready for service, to offer. Geo. D. Fletcher, Binkham P. O., Ont., Frin Shipping Station, C. P. R.

Wanted

Competent herdsman for large pure-bred dairy stock farm. Address reply to:

B., Farmer's Advocate, London, Ont.

HAY HARVESTING—Grass is growing rapidly, and the prospect is that haying operations will commence before the end of June. R. Dillon & Son, of the Oshawa Hay Carrier Works, in their advertisement in this issue call attention to the strength and efficiency of their up-to-date hay carriers, an indispensable labor-saving device in haying operations.