

actly what I do when I send an order to a mail order house,—they say where they can get the most for their money.

I know that this letter will sound like the argument of an advocate, rather than of one who is willing to consider two sides of the question. Then let me put in a word for the merchant. I recognize that we are apt to be carried too far in this mail order business. We need our country merchants, and if the merchant is willing to give service and is doing his best to meet mail order competition, let us keep up at his prices and give him the best chance possible. If he is doing his best he can meet mail order competition on almost all lines of his goods. But no merchant is giving his good farmer customers a chance when he insists that they pay his bad debts, enable him to live on a scale beyond anything warranted by his business and refuses to make different prices for delivery versus for the counter trade. This letter is intended to be as much for the merchants who may read it as for the farmer readers of Farm and Dairy whom I know will see it.

Month's Furlough for Spring Work

A MILETIA order published on March 10 announces that commanding officers of expeditionary units are allowed to give non-commissioned officers and men in training in Canada one month's furlough for the purpose of enabling them to take part in the spring seeding, plowing, etc. The conditions attached to the furlough are that the men must be of good character, that leave will be granted only on proof that a promise of work has actually been obtained, and that on return from work such men must produce a certificate from the person or persons for whom he has been working, confirmed under the signature of a clergyman or of two responsible persons resident in the vicinity of the land in question, or else a certificate signed by himself to the effect that he has been working on his own land.

The men thus allowed off to help in the first stages of spring work will be provided with return transportation to and from any locality not exceeding three hundred miles from the training camp, and they must wear their working suits, leaving their military clothing and equipment with their respective units.

Contagious Abortion

I HAVE read with interest the articles by Dr. W. L. Williams on Contagious Abortion, as this is something all breeders dread and are always looking for a preventative. However there are some questions I would like answered, either direct or through your column. (1) What is Lager's Solution? (2) Where can it be bought? (3) What would be the proper treatment by a veterinarian in case of retained foetus or abortion occurs.—Breeder.

Lager's solution is the compound iodine solution of the United States Pharmacopoeia. It consists of: Six troy grains iodine crystals, one and one-half troy ounces potassium iodide, and one pint water. It can be made by any pharmacist, or for that matter any person who can have a druggist weigh out the iodine and the potassium iodide, and can then measure out a pint of water.

Your third question, "What would be the proper treatment by a veterinarian in case of retained after-birth, or when abortion occurs?" is unanswerable except by the veterinarian on the spot. There are some general rules which might be laid down, but after all the men on the spot would have to judge regarding which rule to apply.—W. L. Williams, N. Y. State Veterinary College.

Feeding for Official Records

THE article in the Feb. 24th issue of Farm and Dairy on "Feeding and Fitting for Official Records," was much appreciated. I would like to know if Mr. Cherry's answer to question

two where 15 lbs. equal parts of oat chop, bran and oil cake are mentioned, does he mean by measure or by weight? Some breeders also say oil meal while others say oil cake meal. Are they referring to the same thing, or does oil meal mean Rinsed meal?—P. H. Halton Co., Ont.

The measure is never an accurate method of apportioning the different feeds in the ration of a dairy cow, and when Mr. Cherry mentions equal parts of oat chop, bran and all cake, he means equal parts by weight. We believe that this was true of all the other feeders whose experiences were given in the article, "Feeding and Fitting for Official Records." The oil meal and oil cake meal referred to are the same thing.

Left Behind

A N Irishman got out of the car at a railroad station for refreshments, but the bell rang and the train left before he had finished. "Hoid on!" cried he, as he ran like a madman after the train. "Hoid on, ye murderin' old stame engine—ye've got a passenger on board that's left behind!"

Once Over!

Two diskings in one with a double-action harrow!

Cutaway
CLARK

Disk Harrows and Plows

Save half the time and labor and have a better method. Use a Cutaway (Clark) Double Action Harrow. Its rigid main frame carries the rear disks to cut and turn all the land left by the fore disks—and with equal force. It will

Quickly Cut, Pulverize and Level

the toughest plowed land. The Cutaway disks are of cast steel forged sharp—and they penetrate deep without bringing up stones and trash. Dustproof, oil-sealed, hardwood bearings and perfect balance make light draft. Tongue truck not required—close hitch. Many Cutaway (Clark) Harrows in use six years and still giving splendid service. There's a Cutaway for every need and a size for every requirement. If your dealer has not the genuine CUTAWAY, write us direct. Be sure to send for our new free book, "The Soil and Its Tillage." Plans now for better crops.

THE CUTAWAY
HARROW COMPANY
607 MAIN STREET
HOGAN, CONN.

Maker of the original CLARK
disk harrows and plows



The Engine that Took "arm" out of Farm.

This Engine Will do Anything That requires "POWER"

CHURNING. Churning is done without labor and under the most perfect conditions.

CREAM SEPARATOR. An engine runs the Cream Separator, just as you want for best results.

SAVING WOOD. An engine saws wood, without chips, without waste, just the size you want it. You can cut up and use material which by the old method, you would have to throw away.

WASHING. An engine will do the washing, with power a half or greater.

GRINDING FEED. Grinding feed is FILLING SILOS. simply fun, with a gasoline engine. Silo owners must be regular users.

PUMPING WATER. Discard the good old backache pump. With a gasoline engine, the pumping is making. The engine pumps water for the house, the barn and stables and gardens.

GARDEN HOSE. You can stretch a fire with a gasoline engine. How quick, if you have a water system with engine and pump.

WASHING WARE. The same hose will wash and AUTOMOBILES, wagons and the automobile. The fact is, an engine will do so much on a farm that you can't run a farm efficiently without one. No, sir, you can't, you should start selecting one NOW.

Do less "arm work" in farm work. The "strong right arm," is given a holiday by the "strong right engine." The Chapman Engine has taken the aches and pains and human drudgery out of farm life. This engine does the work that twenty arms could not do. It is the source of power that a dozen men could not equal for endurance. The Chapman Engine certainly took "arm" out of "farm" and is doing its "thousand-times-as-much" work as arm power could do. It is doing this every week on every farm equipped with this big power producer. There is not one single farmer in Canada, owning from 40 acres up to Why have factories cut out manual labor and adopted machinery? Because machinery does *more* work, at less cost, and does it better. It's just as true on a farm. An engine is ten times as cheap as a hired man.

CHAPMAN ENGINES

Big Power—Little Cost—SOLD ON A GUARANTEE

POINTS OF SUPERIORITY. The Chapman Engine has such an excellent reputation that imitations are already on the market, but it is appearance only. The best Chapman features are patented and cannot be imitated. In selecting an engine, remember that the Chapman is the only engine with (1) a perfect straight line valve motion; (2) a combined suction and pump feed pump; (3) a cast iron foot tank that cannot leak; (4) a specially designed carburetor; (5) a cast iron fuel tank; (6) a ball bearing cam motion; (7) a ball bearing cam motion; (8) a ball bearing cam motion; (9) a ball bearing cam motion; (10) a ball bearing cam motion; (11) a ball bearing cam motion; (12) a ball bearing cam motion; (13) a ball bearing cam motion; (14) a ball bearing cam motion; (15) a ball bearing cam motion; (16) a ball bearing cam motion; (17) a ball bearing cam motion; (18) a ball bearing cam motion; (19) a ball bearing cam motion; (20) a ball bearing cam motion; (21) a ball bearing cam motion; (22) a ball bearing cam motion; (23) a ball bearing cam motion; (24) a ball bearing cam motion; (25) a ball bearing cam motion; (26) a ball bearing cam motion; (27) a ball bearing cam motion; (28) a ball bearing cam motion; (29) a ball bearing cam motion; 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