

GGs

—From pure-bred S. C. 1 Barred Rocks; have some layers; city address C. H. Ave., Winnipeg.

ite Wyandotte eggs for zen. \$3.00 per 4 dozen. Also young and old birds ill, Abernethy, Sask.

IGS—15 for \$2. County pens of select females, H. cock and a Hawkins chens or another setting at Barker, Deloraine, Man.

LYMOUTH ROCKS, \$1.00 ng. Five dollars per hun- Langenburg, Sask.

te Leghorns. Eggs from ted) large birds. Heavy 10 per setting. Three for nman, Crystal City.

ceder. Laying strain Buff \$2.00—15. Chilliwack,

REDS—White Plymouth yandottes. Western raised e-winning stock. Eggs, \$2 per 100. Day old chicks a. Bewell, Abernethy, Sask.

GGs—\$2.00 per 15; \$6.00 ples, Deleau, Man.

nd Buff Orpington eggs, 13. W. H. Read, Nanton,

ut these remarks of to show that the the premier class. E. W. D.

& Answers

MILKERS

two very hard milk- there anything I can ?

C. S. rys keep steel siphons orted in the teat and opening, but the mus- er a time. However, of these instruments s permanent improve- not a complete cure. using the siphons will e too great a draw- se, except in very un- letter sell the touch others.

TO ANIMALS

laws against cruelty askatchewan? If so, ort to? J. G.

provisions of the ani- n Saskatchewan. Lay fore a justice of the

N THE UDDER

k cow we would like ou about. This cow nth of March, and at ving had little or no ler, but as the udder enlarged we endeavor- it by rubbing it well orking out what milk . The next day the better, so we got the ng tube and emptied ld come, and, as the l very hard, we still We continued this

treatment three times a day for over a week, when the udder still remain- ed hard, and the milk got thicker and would come out in chunks.

We took hot salt water and bathed the udder, and still drew out the milk with a tube. This was appar- ently no use, so we tried a drench of salts and ginger, and still the udder got worse, having become inflamed by this time, and the curdled milk which came away from it smells very badly. We are rubbing the udder with camphorated oil and drawing the milk away with the tube. We think this does as much as anything toward softening the udder, but still are dissatisfied with the slow progress.

Alta.

B. D.

Ans.—Your cow has evidently a very bad udder. There are deep- seated abscesses in the gland, which accounts for the disagreeable odor of the discharge. This has gone on for so long a time that we are afraid you will lose your cow as a result. However, the proper treatment con- sists of warm poultices. Hops are preferable as they make a light poultice. The poultice must be changed often and never allowed to become cold. When the abscesses point on the surface of the udder, they must be lanced, and the matter allowed to escape, the cavities must be well flushed out several times daily with a weak solution of carbolic acid or creolin. It is very probable that the cause of the trouble is tuberculosis of the udder. If this is the case, the cow should be destroyed. Give a tablespoonful of hyposulphite of soda in her mash or drinking water three times a day.

WEAK FOALS

1. Two heavy mares, part Clydes- dale, bred to heavy Percheron horse, well cared for, well fed on prairie hay and oats, a quart of bran twice a week. Mares were worked on plow and disk harrow until foals were dropped. Foals were very weak, were unable to stand. After some time, both died inside of fifteen and twenty hours, respectively. Kindly give cause of death.

2. Is it injurious to mare-in-foal to feed a small quantity of flaxseed? Alta.

A. Y.

Ans.—It is not possible to say what was the direct cause of death. There may have been some complaint de- veloped after they were born, but the weak condition at birth indicates either a lack of exercise of the mares during winter with too much work just at foaling time, or an over-fat condition of the mares. The feed given during the winter was all right, provided the mares were out of doors a good part of the time, and work in the spring is not harmful if the mares are brought to it gradually and not given too much of it. Possibly the stable in which the mares were kept was not well ventilated. If every precaution was taken to keep the mares in good health by exercising judicious feeding and pure air in the stables, the weakness of the foals must have been due to some constitu- tional weakness that can only be guessed at from this distance.

ELECTRIC GENERATOR

1. What kind of generator would be best adapted for charging four stor- age cells of 100 ampere hours capa- city, to run a 1-h.-p. motor, wound for 7 volts?

2. How should generator be wound?

3. What voltage and amperage should generator give?

4. In installing said generator, would it be necessary to use automa- tic switches? If so, what is their function, and how are they attached?

5. What horse-power would be re- quired to run said generator?

6. Would a windmill, with 10-ft. wheel, be sufficient?

7. At what speed should said gener- ator be run? W. T.

Ans.—1. Any direct-current gener- ator, giving a somewhat higher volt- age and amperage than necessary for the four cells, will be suitable. Each cell will require about 2 volts, and the motor, to give 1 horse-power, will require 26.3 amperes, hence the gener- ator must produce at least 8 volts and 26.3 amperes, if the cells are ar- ranged in series when charging. If the cells were arranged in parallel when charging, then your generator would have to give 2 volts and 26.3 amperes. The latter, however, is a difficult combination to obtain, so the former would be better, and, indeed, a 1 horse-power motor running on 7 volts, is a very unusual design.

2. Series, shunt, or compound.

3. Answered in 1.

4. Not unless the generator is to be driven by an intermittent power with no one in charge, such as the windmill. If there were not automa- tic switches, and the windmill were to stop, then the energy already stored in the cells would discharge back through the generator and run it as a motor, or try to, not succeed- ing if the load was too heavy, but using up the energy all the same, and all the more quickly. These automa- tic switches are controlled by means of an electric magnet, acting on an iron armature fastened to the knife edge of the switch. As long as the generator is working, the magnet holds the knife-edge of the switch in position, but the moment the gener- ator stops, and the magnetism dis- appears, the switch is thrown open by means of a spring. It should be pos- sible to so arrange the details of one of these switches that the circuit would be closed again automatically as soon as the generator was started anew. Considerable fine work and design is necessary in their construc- tion, and they are expensive. If the switch was to be automatic in both cases, that is, making the circuit when the windmill starts, as well as breaking it when the mill stops, the magnet controlling the knife edge would have to be in parallel with the cells when being charged, and the resistance of the wire with which the magnet was wound would have to bear a suitable proportion to the re- sistance of the cells. But, if the switch was to be only an automatic circuit-breaker, then the magnet con- trolling it might be either in series, or in parallel with the cells.

5. The horse-power to run the gen- erator would need to be greater than 1; 1 h.-p. would do it nicely.

6. In case of a strong wind, a 10-ft windmill would be sufficient, but not in the case of a light wind.

7. This question could only be answered if all the details of the gen- erator were given. Lacking these, the speed would have to be determined by experiment.

STOMACHIC TROUBLE

Collie dog has a peculiar vomiting cough.

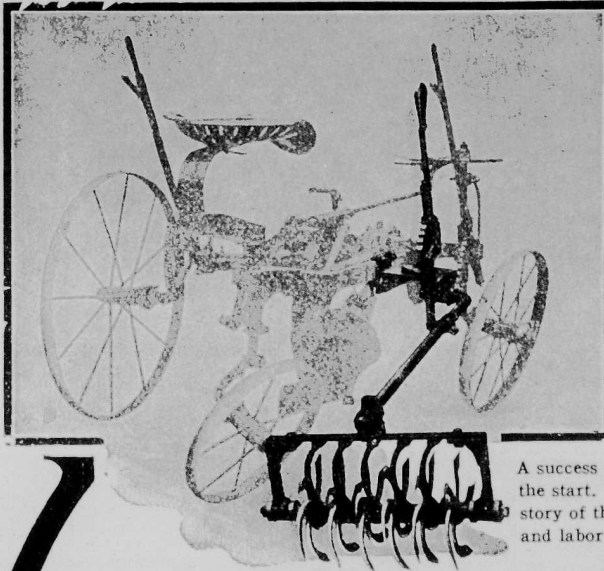
H. S. C.

Ans.—This is due to stomachic trouble. Give him 2 drams jalap and 3 grains calomel. If this does not cause purgation, give 2 drams jalap again in 24 hours. Follow up with 3 grains subnitrate of bismuth 3 times daily. Feed on milk, bread, and porridge. V.

WARTS

Horse has very bad warts; not the ordinary kind. They bleed easily if rubbed. I have tried applications which takes the top off them, but they grow larger every time. I took off one that weighed a pound. W. H.

Ans.—Local applications are too slow in action to remove large warts. Each wart should be carefully dis- secting off. The horse must, of course, be cast and secured for the operation. After dissection, the raw surfaces should be dressed once daily with butter of antimony (applied with a feather), for a week; then dressed three times daily with a five-per-cent. solution of carbolic acid in water un- til healed. The daily application of



The Racine Rotary Harrow Attachment for Plows

A success right from the start. That is the story of this great time and labor saver.

Attached to Sulky Plow. Gang Attachment has nine blades.

100% labor saved. Why go over your field two or three times when once will do.

The Racine Rotary Harrow

Enables you to plow, harrow and smooth your land at one operation. It does its work thoroughly, requires practically no atten- tion, is wonderfully light of draft, cutting blades are clog proof and make a garden of your whole field.

The price very low. Ask your dealer or write.

HARMER IMPLEMENT CO

WINNIPEG, MANITOBA

Agents for Western Canada

Distribution from Winnipeg, Calgary and Regina

Put a little "Sunshine" in your home

An old-fashioned, ill-working furnace is a non- producer.

It consumes the coal, but through leaks and cracks wastes the heat.

It is not economy to have such a furnace in your own home, or in your tenant's home.

If you are thinking of building you should be inter- ested in Sunshine Furnace. It adds 100 per cent. to home comforts.

As soon as you let the contract for your house decide on your furnace. The "Sunshine" man will be pleased to tell you just how the rooms ought to be laid out with an eye to securing greatest heat from the smallest consumption of coal.

If you want to experiment with the question don't specify "Sunshine."

If you want to settle the question specify "Sunshine."

McClary's

2

UP-TO-DATE PRINTERS

WE are printers of all work desired by the UP-TO-DATE farmer such as Bill Heads, Envelopes, Cards, Catalogs, Booklets, etc. Send in your order and we will, if desired, submit an estimate.

Farmer's Advocate of Winnipeg Ltd.

Winnipeg, Manitoba