

HAD TO GIVE UP ALTOGETHER AND GO TO BED.

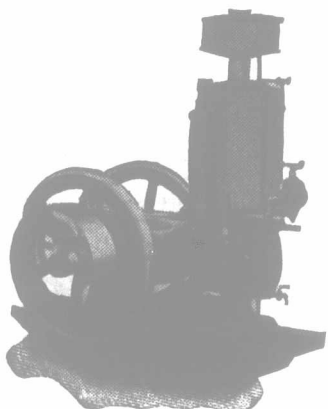
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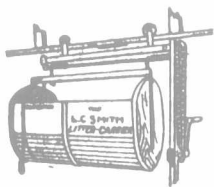
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QUESTIONS AND ANSWERS. Miscellaneous.

TREATMENT FOR SMUT IN OATS.

Please give a formula for treating oats and other grain for smut, and how to proceed. I have some Tartar King oats that are smutty. Is air-slacked lime dusted over them in the bin sufficient treatment, and how long will they need to be kept covered with lime? A. S. J.

Ans.—For treatment of oats for smut, see article in last issue. We have never heard of lime being used for this purpose. Would not advise it.

BRITISH EMPIRE POPULATION.

What is the average annual increase in population of the British Empire? Newfoundland. S. R.

Ans.—The population of the British Empire increases at the rate of over one million a year; to be exact, 1,303,115, the population in 1891 having been 381,404,960, and in 1901, 394,436,111, according to the series of Imperial censuses of those years taken in the several colonies and dependencies of the Empire.

GEORGE JOHNSON,
Dominion Statistician.

SHRINKAGE IN MILK—HALF UDDER.

We have a cow that gave less milk out of the left side of the udder than the right last season. This year after calving, she gives less still, hardly a cupful from each teat; right-hand side gives the usual quantity. Cow has never been sick; feeds well, and looks well. Nor have we seen anything wrong with her teats, except the shrinkage in milk. Can you tell us any reason for the shrinkage, or a cure for it? Would the milk come back if we bred her again?

Ans.—The trouble which your subscriber refers to, is one that happens quite frequently with cows. The best way to treat this is to always milk these quarters first, and manipulate the udder at each time of milking in order to stimulate the secretion of milk. In bad cases the quarters will dry up, and there is practically no remedy for it. The cause is probably the result of an injury. If she is a valuable cow, I think it would be quite safe to breed her again.

H. H. DEAN.

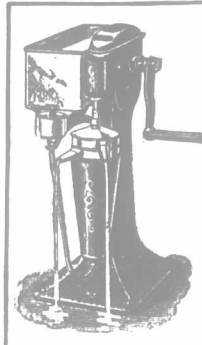
KING SYSTEM OF VENTILATION.

Realizing, as we do, that stone and cement basements are more or less a failure, and, we believe, from want of proper ventilation and light, myself and neighbor, Mr. W. J. Carpenter, intend building quite large barns with stone and cement basements, and wish, if possible, to overcome the difficulty. Now, some advocate one system, while others recommend quite a reverse one, and we are at a loss to know what is best. We want something as cheap as consistent with means. Can you describe in next week's "Farmer's Advocate," or the week after, your best scheme, also the King system? Norfolk Co., Ont. D. K. S.

Ans.—While there are several good systems of ventilation, as described from time to time in the "Farmer's Advocate," there is not, as yet, any approved "best system." The plan described in W. A. Dryden's letter, in issue of March 16th, appears to be satisfactory, though we are inclined to think, it would be an improvement to substitute for the open window the intake system of the Usher plan, also described in the Questions and Answers department, same issue. One or other of these plans, or some modification thereof, is the best we can advise. King, in his book, "Physics of Agriculture," outlines a number of different ideas, all incorporating, however, much the same principle. Air is admitted through several apertures in the walls, several feet from the ground. The flues may be made of ordinary stovepipe, with elbow, or galvanized iron conductor pipe, or the holes through the wall may be ordinary 5 inch drain tile, with elbow stovepipe on the inside. The object in having the elbow is to carry the fresh air to the warm atmosphere of the ceiling and diffuse it without draft on the animals. The foul air is carried off by flues at the side or in center of stable, running up from near the floor, and having openings also at the ceiling. If side flues are used, they may be supplemented by one or more running up from the ceiling over the center of the stable, all the flues being carried to the peak of the barn, and there connected with a main shaft running to the roof of the cupola.

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HOW OFTEN TO ADMINISTER.

In your issue of March 2nd, page 294, you have an article on fitting work horses, which I was pleased with, but you did not state how often to feed the mixture, merely the amount to give at each feed. Kindly answer through the "Farmer's Advocate." J. B. W.

Ans.—Two or three times a day; twice in ordinary cases.

UNTHRIFTY PIG—FENCING.

1. I have three pigs three months old. They are scurvy, and when resting, grind their teeth. They do not grow very well. They are kept in a warm place, and have good feed. What is the cause? 2. What is the best and cheapest fence to enclose a pig pasture?

SUBSCRIBER.

Ans.—1. This is probably the effect of indigestion. We would advise changing their feed, or giving their grain or mill-feed dry, and their drink in a separate trough.

2. We would say woven-wire stapled to posts. It can be bought, or home woven any desired height.

SUMMER FEED FOR CALVES.

What would make good pasture for calves that would be getting skim milk? I have three plots, 1, 2 and 3 acre, respectively, handy to stable, fall plowed and rich. How would rape do? I will have about 30 calves, some four months old by the first of May.

SUBSCRIBER.

Ans.—Don't pasture them at all. Keep them in a cool, dry, well-ventilated stable (basement preferred), and feed them clover, or even timothy hay, with only a little green feed and a light ration of oats and bran, until along towards fall. Green feed, like rape, fed with skim milk, would give no end of trouble with scours, to say nothing of flies and heat. Rape would be all right for fall pasture, after milk is withheld. For early pasture tares would probably be as good as anything.

SPAYING HEIFER WATER FROM CREEK.

1. Describe the proper time and process of spaying heifer. 2. In taking water from a creek, 30 rods from barn and 40 feet lower, what would you advocate as the best and most economical power of forcing or drawing it? Also what size of piping is best? A SUBSCRIBER.

Ans.—1. This operation should be done when the heifer is a yearling, in mild, spring weather. A competent veterinary surgeon, who has operated before, should be called in, as experience and proper instruments are required for the operation. 2. Put pumping windmill near the creek; cover intake pipe with strainer; if sand or gravel bottom, better keep pipe off bottom; use a force pump, and erect a tank at barn or where water is to be used. For piping, the pumping would be easier done with 1 1/2 inch pipe, though inch pipe would cost less.

[Note.—Another question received regarding water supply and piping has been mislaid. Will the enquirer kindly send in the question again?—Ed.]



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