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For sale: young bulls and females. Herd won first prize, and stock bull the championship, at Western Fair, London, 1907, in strong competition. Elora stn., G. T. R. & C. P. R. JOHN LOWE, Elora, Ont.

QUESTIONS AND ANSWERS.
Miscellaneous.**PIPING WATER.**

P is pipe running down hill to dwelling-house; H; S, ordinary surface of water in spring; B, bottom of spring. If water is drawn off so as to let air in at O, (end of pipe in well), and thus stop flow to house (H), will flow begin again when water has again risen to S, or will the air that has entered at O stay in pipe and stop flow permanently?

R. J. M.

Ans.—If the highest point of pipe is below S, then the water will start to flow through pipe as soon as the surface rises above the highest point of pipe.

W. H. DAY.

Ontario Agricultural College.

SEEDING A LAWN.

1. Would September be a suitable month in which to sow seed on lawn, or would it be better to wait until next spring?

2. Have just graded lawn, and part of it is very hard. How deep should it be cultivated to give a proper seed-bed for lawn-grass seed?

A. S. W.

Ans.—1. As a rule, we believe early spring seeding gives the best results. We advise waiting.

2. It is usually advised to work the soil to good plow depth into a state of very fine tilth. Probably the best plan would be to plow rather deeply, turning under a coat of manure. Some time during the winter, when the ground is frozen, top-dress with another coat of manure. In the spring, work up deeply; rake down to a smooth, level surface; sow the seed, and rake in carefully.

SPENT CARBIDE AS FERTILIZER AND AS A SPRAY.

1. Is there any fertilizing value in the "slush," or spent carbide from acetylene-gas machines? (a) Is it of any value as a wash or spray for fruit trees; (b) or for stables or cellars?

A. S. W.

Ans.—The "slush" or refuse from the acetylene-gas machine is composed largely of slaked lime, and it would have a fertilizing value about equal to lime. As a fertilizer, then, it is of value, like lime, in improving the physical condition of the soil, as well as acting as a liberator of potash. It is a direct plant food, but most of our arable soils have an abundance of this for plant-food purposes; however, a soil that is rich in lime is usually productive, and many of our ordinary soils are much improved by the application of comparatively small quantities, say a ton to a ton and a half per acre of good lime. From this, you can possibly estimate what quantity of this refuse could be safely applied.

(a) As a wash or spray for fruit trees, I presume, although we have no definite information on this point, that it would have a value similar to lime. Lime washes are a specific treatment for oyster-shell bark-louse. The customary practice is to spray the trees after the leaves drop in the fall, and again in the spring before the buds come out.

(b) Its value in stables or cellars would also be similar to that of lime, but not equal by any means to freshly-burnt lime. It would not be safe to use this substance in direct contact with either liquid or solid manure in the stables, for it would tend to liberate ammonia, in the form of a gas, and thus depreciate the value of the manure. Consequently, this refuse substance, or lime, would not be good substances to use in stables.

R. HARCOURT.

PEDIGREE OF SCOTTISH LASSIE.

Please state the breeding of Scottish Lassie, the Shorthorn three-year-old cow that won second or third prize at Guelph Winter Fair in 1904 or 1905.

SUBSCRIBER.

Ans.—There is no cow of that name in the Winter Fair catalogue for 1904, 1905 or 1906. There was an Ayrshire cow, named Scotch Lassie, shown in the three-year-old class in the milking competition in 1906, by W. M. Smith, of Scotland, Ont. Her pedigree is as follows: Calved October 3rd, 1902, bred by W. M. Smith, sire Sir Cairn —10499—, grandsire Victor of Boghall (imp.) —1660—, dam Scotland Jean —13388—, by Sir Cairn.

CEMENT FLOOR IN SILO—TUBERCULOUS HERD.

1. Would it be a good thing to put a cement bottom in my silo? It is a stave silo, close to the barn, and rats come up from the bottom, and dig holes in ensilage, causing it to rot ensilage. The cement would put a stop to that.

2. Would it be considered prudent to keep a bull that reacted to the tuberculin test, he being an unusually well-bred and high-priced bull, to be used on a new, clean, healthy herd, providing we kept him isolated?

3. How old do calves require to be before they will react to the test, providing they have tuberculosis?

4. Would you consider it wise and prudent to keep some of the calves from these valuable tuberculous cows; i. e., not to dispose of the cows until after they freshen next spring, and then raise the calves on sterilized milk, keeping them isolated from the cows; or, do you think they would be born with the disease their dam has?

COWBOY.

Ans.—1. A cement floor would be a wise improvement. Probably it would be best to take down the silo, and lay a saucer-shaped cement floor large enough that the ends of the staves may rest on it when re-erected. In the center of the saucer-shaped hollow, fit a grate, and provide a tile drain to carry off the surplus moisture, which is liable to accumulate in the bottom of a silo, making the lower foot or two of silage slushy, and, often, more or less sour.

2. Tuberculosis is not a congenital disease, although the tendency to it is hereditary, and it is always desirable to breed from healthy stock where possible. But, inasmuch as millions of animals have tuberculosis in one organ or another, among these animals being some of the highest achievements of the breeders' skill, and as some of the animals which react to the test are thrifty doers and never succumb to the disease, we certainly would not counsel anyone to discard a valuable, high-priced bull, unless he were in a rather advanced stage of the disease, although we would be chary of using him on females that were not of strong constitution. Keep him separated from the herd, and in a dry, light, airy stable.

3. As calves are not born with the disease, they cannot react to the tuberculin test until they become affected through some source or other. They are never tested under six months of age. It would be difficult to make a satisfactory diagnosis in very young calves.

4. By all means, keep the cows as suggested, removing the calves promptly, and rearing in clean, dry, light, airy quarters on sterilized milk. Some of the best cows might be kept year after year, and the calves raised in this way, so long as the ailing animals were segregated from the healthy ones.

EASY TO MIX THIS.

What will appear very interesting to many people here is the article taken from a New York daily paper, giving a simple prescription, as formulated by a noted authority, who claims that he has found a positive remedy to cure almost any case of backache or kidney or bladder derangement, in the following simple prescription, if taken before the stage of Bright's disease:

Fluid Extract Dandelion, one-half ounce; Compound Kargon, one ounce; Compound Syrup Sarsaparilla, three ounces. Shake well in a bottle, and take in teaspoonful doses after each meal and again at bedtime.

A well-known druggist here at home, when asked regarding this prescription, stated that the ingredients are all harmless, and can be obtained at a small cost from any good prescription pharmacy, or the mixture would be put up if asked to do so. He further stated that while this prescription is often prescribed in rheumatic afflictions with splendid results, he could see no reason why it would not be a splendid remedy for kidney and urinary troubles and backache, as it has a peculiar action upon the kidney structure, cleansing these most important organs and helping them to sift and filter from the blood the foul acids and waste matter which cause sickness and suffering. Those of our readers who suffer can make no mistake in giving it a trial.

Not long ago a Boston municipal official, who is a stickler for the use of good English, had occasion to consult a physician new to the community.

After the examination, the doctor said: "All you need, sir, is a tonic in the shape of fresh air."

"Would you mind telling me," asked the purist, sarcastically, "what is the shape of fresh air?"

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