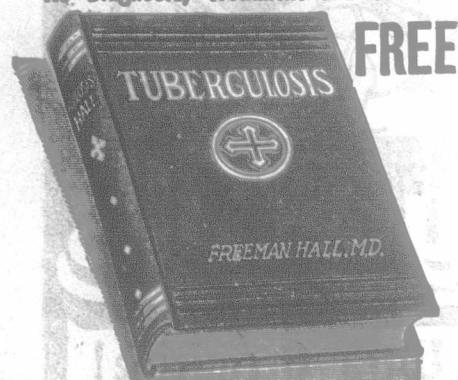


Consumption

Its Diagnosis, Treatment and Cure



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For the cure of Spavins, Ringbones, Curbs, Splints, Windgalls, Capped Hock, Strains or Bruises, Thick Neck from Distemper, Ringworm on Cattle, and to remove all unnatural enlargements.



This preparation (unlike others, acts by absorbing rather than blistering). This is the only preparation in the world guaranteed to kill a Ringbone or any Spavin, or money refunded, and will not kill the hair. Manufactured by Dr. Frederick A. Page & Son, 7 and 9 Yorkshire Road, London, E.C. Mailed to any address upon receipt of price, \$1.00. Canadian agents:

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Removes Bursal Enlargements, Thickened, Swollen Tissues, Curbs, Filled Tendons, Soreness from any Bruise or Strain; Cures Spavin Lameness, Allays Pain. Does not blister, remove the hair or lay up the horse. \$2.00 a bottle, delivered. Book 1 E free.

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Live Stock of all Descriptions.

During the spring months we shall be shipping large numbers of Percherons, Shires, Belgians, Clydesdales, Suffolks, etc., and all those who wish to buy imported stock should write us for full particulars.

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One Canadian-bred Clyde dale stallion, Stonewall (6868), sired by Cornerstone (3505) (11016), bay, white stripe in face, off hind foot white, weighs about 16 cwt., sure foal getter. Would exchange for heavy imported horse. For any further information apply to:

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Imported and Canadian bred, from one to seven years old. For description and particulars apply to JAMES PATON, Swinton Park P.O., Ontario. Fiesherston Station, C.P.R.

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MAKES ROPE OF BINDER TWINE

Any length of this kind. Twine as strong as wire rope. Makes \$4.30 worth of twine for 40c. Anyone can do it. Light to carry. In a 100 ft. portable. Demand enormous. Large quantities, quick sales. Big profits. Write for full particulars. Every county.

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MENTION "FARMER'S ADVOCATE."

QUESTIONS AND ANSWERS. Miscellaneous.

PUMPING — GENERATING ELECTRICITY.

1. We are writing to get your advice regarding the power we should use in order to pump the water from our well into the stables. The well is about forty feet deep, situated about thirty feet from corner of barn, and about eighty feet from the cistern already built, which we would use as a supply tank. We readily see that a windmill would accomplish the work, but would prefer to use a gasoline engine if it were possible, on account of its usefulness otherwise. The engine-house, to be convenient, would have to be placed about sixty feet from the well, in a direct line to the cistern as it happens, but on a raise on the surface of about four feet. Would a two-horse-power engine pump the water to the top of the well, and then up the incline to the engine-house, from where it could be forced into the cistern, or is there any other way that you could suggest more suitable?

2. What is the system by which electrical energy for lighting purposes could be had by using the gasoline engine for power? Would it be possible or economical to make such use of it in the farm buildings? If so, where could the necessities be obtained? J. H. B.

Ans.—1. It is impossible to answer your question definitely from the data given. It is not the depth of the well that counts, but the distance of the water from the surface of the ground. In practical experience, it is found that a suction pump will not work satisfactorily if the sucker is more than 25 feet from the surface of the water. Suppose your pump were placed at the engine-house, that is 4 feet above the ground at the well, then if the distance to the water was more than 21 feet from the surface of the ground, it would not be practicable to install the pump at the point indicated, but it would be necessary to put the pump in the well, the sucker being within 25 feet of the water. A 60-foot belt for work of that nature would not be satisfactory, consequently, if you wish to put the engine at the point indicated you would have to use a 60-foot counter-shaft, driven by the engine, and with an eccentric directly above the pump to drive the piston. If this method were used, the counter-shaft would need to be comparatively heavy to stand the torsion. A 2-h.p. engine should do the work.

2. To supply electricity generated by a gasoline engine, it would be necessary to first install a generator or dynamo, as it is frequently called. Then the buildings would have to be wired and the lamps installed. With this arrangement, light could be supplied when the engine was running. A dynamo suitable for a 2-h.p. gasoline engine would have a capacity of 14, thirty-volt Tungsten lamps. Such a dynamo would cost about \$100, possibly \$125. If, however, a storage battery were installed, then the battery could be charged from the dynamo once or twice a week, and light could be had from the battery at any time, day or night, whether the dynamo was running or not. These storage batteries are rather expensive. One to carry 20 lamps would cost possibly \$225. WM. H. DAY.

WHY NOT LAY A PIPE?

Speaking of the national tendency towards self-assurance, Archdeacon Cody told the wholesale grocers a story on Winnipeg at the Guild dinner in Toronto recently.

A man from Minneapolis was visiting a friend in the Manitoba metropolis, and the latter after showing him the sights and telling him the many advantages and attractions of Winnipeg, said: "The only thing we need to make us perfectly happy is a lake."

"How big a lake would you want?" asked the Minneapolitan.

"Why, about the size of Lake Superior, but it is four hundred miles away."

"Well," was the immediate reply, "why don't you lay a pipe? Then, if you are able to suck as well as you can blow, you'll have a lake at Winnipeg by tomorrow morning."

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They are made by the Old Patent Process—and will keep as long as you like.

Careful tests have proved them to be the most easy-to-digest of all cattle feeds—95% goes to build muscle, tissue and health.

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ONE EXTRA FINE
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A full stock of CLYDESDALES, imported and home-bred, always on hand, at prices and terms to suit breeders. Correspondence solicited.

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If you want a Clydesdale or Shire stallion or filly, or a Welsh pony, let me hear from you. I have the best blood of the breed. Horses over a ton in weight. Colts that will grow to the ton and over, with faultless characters, style and quality. I will not be undersold, and your terms are my terms.

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5 years and under. Some winning in Scotland and Canada. Bred from such noted sires as Hiawatha, Everlasting, Prince of Carruchan and Baden Powell—horses that will make a ton, with quality. Prices right. W. B. ANNETT, ALVINSTON, ONTARIO. Watford station, G. T. R., 30 miles west of London.

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My 1911 importation have arrived—20 Clyde stallions, 18 Clyde fillies, 6 Percheron stallions. I have many winners at Old Country shows. Big, choice, quality stallions and mares, bred from the champions, and the best Percherons in Canada. Prices right.

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Shire Stallions and Mares, Shorthorn Cattle (both sexes); also Hampshire Swine. Prices reasonable.

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In my late importation of Clydesdale stallions and fillies I have exceptionally choice breeding idea draft characters; as much quality as can be got with size, and I can undersell any man in the business. Let me know your wants.

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