

The Plattsmouth Weekly Herald. KNOTTS BROS., Publishers & Proprietors.

FARM COLUMN.

A CLEAN HOG.

The hog can probably endure as much hardship as any of our domesticated animals but in this any reason why it should receive abuse, or be subjected to hardship in any form? We think not. None of our animals responds more promptly to kind treatment and clean surroundings than the hog. It is popularly considered filthy. This arises from the fact that the hog is usually confined to filthy quarters. Is this the fault of the hog or of its owner? Why are its quarters filthy? They were clean when the hog was first put into them. Was it the natural filthiness of the hog above the other animals that made its quarters filthy, or was it owing to the narrow limits in which it was confined? What could it do in such quarters but make them filthy? True, the hog likes to roll in the mire in hot weather. So does the cow like to stand in the running stream, pond, or mire in hot weather. The hog will take to clean water if it can get it. Both do this for the same reason—because of the grateful coolness of the moisture and the fact that the portions of the animal organism under water are free from the annoyance of flies. This hog like the bovine, also likes to lie in the cool shade. Give both a fair chance to keep clean, and they will do so. Confine them in too narrow limits, and they will get filthy. Give equal chances, and there is not much difference between the two. But the custom is to crowd the hog into narrow limits and compel it to remain there. Lacking human reason, it may not do the best thing possible to keep clean in its confined home; but in this respect it will not display much more lack of reason and hog sense than its owner in not providing more ample room and better natural facilities for keeping clean. Give the hog a clean bed, with free locomotion, and it will keep it clean. Give it a wild field of clover to roam and root in and it will keep itself clean, healthy and thrifty. Both the hog and the owner will be benefited by the comparatively wide range and the succulent, nitrogenous food available for the use of the hog. A little corn meal, and it will have all it needs, and be as happy and respectable as well-bred hogs should be. It will put on muscle as well as fat, and develop a healthful mien for the food of the genus homo. So do not complain of the filthiness of the hog, and condemn it to wallow in uncleanness, until you have given it a decent chance to be a decent hog.—Practical Farmer.

THE DRAFT-HORSE TRADE.

People who talk about "over-doing" the business of raising good draft stock in this country apparently lose sight of many facts which must be taken into consideration in dealing with such a question. The following from the third edition of the Oaklawn catalogue for 1887 sets forth Mr. M. W. Dunham's views in relation to the extent and permanent nature of the trade:

It is well known that prior to 1850 no attention whatever was paid to the breeding of draft horses in the United States with a possible exception of a portion of Pennsylvania. Oxen were used almost exclusively for lumbering and all kinds of heavy work on the farm, the horses in use being light, active animals. It is not astonishing, therefore, that the proposed introduction of draft stallions to cross upon small mares of the country should meet with vigorous opposition, although there was a growing demand for larger horses to meet the requirements of improved agricultural machinery, the extension of commerce, and rapid development of the country. Notwithstanding this urgent demand, however, but few people accept as feasible the new method of improvement prior to 1860, and not with any degree of confidence until fifteen years later, during which period experience had taught them that the crossing of compactly built, well-formed active Percheron stallions upon the common stock of the country, produced animals remarkably well adapted to the wants of both city and country.

With thirteen million of horses in the United States (at least three-fourths of which would be increased in value by increased size), and with no means of supplying ourselves with stallions best suited to the purpose of improvement, except by direct importation from France, we can readily understand the slowness of the progress made, and realize the impossibility of over-production. One million five hundred horses must be produced every year to keep up the supply, requiring the service of at least 60,000 stallions; and the records show that only 2,000 Percheron stallions are now alive and in service in this country. These facts account for the confidence many have displayed in developing great establishments for breeding pure-blooded

Percherons in this country, and show the necessity for increasing this industry to an extent that will make us independent of foreign countries, an event that, however desirable, will not be realized during this generation.—Mr. Mark W. Dunham in Breeder's Gazette.

Well Water.

From the Sanitary Engineer. The great majority of the people in this country obtain their drinking water from the moving sheet of water which lies at a greater or less depth beneath the surface of the earth, and for this purpose they use wells.

The question as to how far, and under what circumstances, well water may be dangerously contaminated, and how such contamination may be best recognized when present, or be foreseen and guarded against, are therefore of constant interest. The Journal of the Chemical Society for June of this year contains a paper by Robert Warrington, entitled "A Contribution to the Study of Well Water," which is of more than ordinary value and interest. In this paper is given the result of a continuous and systematic examination of the well waters of Rothamsted, England, and of the connection between the composition of rain, drainage and deep-well waters. Taking a series of observations for several years it was found that the rain contained, in 1,000,000 parts, an average of 2 parts of chlorine, 0.87 parts of combined nitrogen, and 2.52 parts of sulphuric acid. By drainage through 5 feet of bare soil the quantity of chlorine is not increased, but the combined nitrogen is increased about nine times by oxidation of the organic matter in the soil. The production of nitrates occurs chiefly in the summer months, and the first considerable drainage which occurs after summer will contain the greatest proportion of the nitrates.

Nitrates being assimilated by plants are generally absent in drainage from land bearing an actively growing crop. The proportion of chlorine in the purest wells at Harpenden is about eleven per million, and it varies very little. Wells in soil much contaminated by sewage may show the commencement of a rise in the chlorides one or two months after the active autumn drainage begins, and two months before the water-level in the well begins to rise. Wells little liable to contamination show a rise in chlorides later in the season. When soil has been long contaminated by sewage, and then fresh contamination ceases for a number of years, the proportion of chlorides in the well-water may be considerably higher than normal, but it will remain nearly unaltered through the drainage season.

In contaminated well-waters the proportion of nitrates and chlorides increases at first at an equal rate, but if active drainage continues the proportion of nitrates greatly increases. The sewage of a poorly-fed population gives a high proportion of chlorides to nitrates, while stable sewage causes the reverse. The chloride contamination is more permanent than that by nitrates. The probable average proportion of nitrogen as nitrates in drainage water from cultivated land is 3.8 per million.

The examinations of waters made by Mr. Warrington were almost entirely chemical; the only exception was a series of experiments which indicate that a nitrifying micro-organism is contained in deep-well waters, but in very small proportions.

A Curious Item.

Cincinnati Express-Gazette: The American Express company at Cincinnati saves the nails taken up from the streets by the feet of the horses in their service. The collection for one year of these nails and oddly-shaped pieces of iron fills half a cigar box and is very curious to look at, as well as suggestive of pain to the animals from whose hoofs they were extracted and of incidental lameness. It has always been the custom of the company's veterinary surgeon to preserve the nails and turn them over to the company. As the American uses about seventy horses it would be a curious calculation to figure out how many nails are taken up in a day by all the horses. It is thought that the laying of granite and proper street cleaning will decrease the trouble.

Another Outrage.

Omaha World: Omaha man (looking up from his paper)—I'm not surprised; not surprised a bit. The fact is that the United States with its puny army and no navy is absolutely helpless.

Wife—In what way?
"Every way. There is no protection for Americans anywhere."
"Mercy!"
"It's true, though. Just look at the case of Mrs. Cleveland at Marion, Mass."
"Why, what's happened to her?"
"The paper says that Mrs. Cleveland, the wife of the president of the United States, is followed around by a poet who insists on reading his verses to her."

—A funeral procession of 206 carriages, and a mile in length, which took place in Berks county, Pennsylvania, showed that "funeral reform" has not become generally observed.

Tempering Steel With Electricity.

The Western Electrician reports that at the shop of the Sedgwick Main-spring Co., 19 and 21 South Canal Street, Chicago, can be seen a very interesting application of electricity to the arts. It consists of tempering watch springs by means of the electric current. In one part of the room stands what is known to the trade as a one-light dynamo. The conductors from the dynamo lead to another part of the room, to a bench on which stands an ordinary oil tempering bath. One of the conductors connects with a point within the oil bath and the other to a point without. The piece of flat soft steel wire that is to be tempered to the blue color is fed under the contact point on the outside of the bath first and then under the one on the inside. When it reaches the latter the circuit is complete and the wire immediately and uniformly becomes heated. No means have been taken to measure the current exactly for the purpose of doing the whole work mechanically. The variation in the percentage of carbon in different pieces of steel forbids the delicate process of tempering from becoming a purely mechanical piece of work. Therefore, with the electric current as with a fire, the color of the steel determines the length of time that it shall be heated. Several advantages are claimed for this process of tempering. The chief one is that the steel does not have time to oxidize after it has been heated to the proper color before it is under cover of the oil, and consequently that the steel wire is of the same thickness when it is tempered as it was before it entered the process. The heating is uniform throughout the length of the spring, and there is less liability of defective spots. The process is a rapid one, the springs being heated and passing into the bath at the rate of four inches a second. The large watch making concerns look with great favor on the new process, and the Sedgwick Main-spring Co. are just about to double their capacity for the purpose of keeping up with the orders.—Industrial Gazette.

Drunkenness or the Liqueur Habit Positively Cured by Administering Dr. Haines' Golden Specific.

It can be given in a cup of coffee or tea without the knowledge of the person taking it; is absolutely harmless and will effect a permanent and speedy cure, whether the patient is a moderate drinker or an alcoholic wreck. Thousands of drunks have been made temperate men who have taken Golden Specific in their coffee without their knowledge, and to-day believe they quit drinking of their own free will. IT NEVER FAILS. The system once impregnated with the Specific it becomes an utter impossibility for the liquor appetite to exist. For full particulars, address GOLDEN SPECIFIC CO., 155 Race st., Cincinnati, O. 23-17

Dying Under Difficulties.

New York Telegram: First actor (pulling the trigger of a revolver six times)—"Die, you miserable villain!" Second actor—"Your pistol has missed fire, Sir Kudolph, but I am smitten with remorse for my crimes and will die according to your wish!" Then he rolled on the stage in agony and "pegged out straight." The curtain fell amid roars of laughter.

—CATARRH CURED, health and sweet breath secured, by Shiloh's Catarrh Remedy. Price 50 cents. Nasal Injector free. Sold by Smith & Black Bros.

—It isn't the number of immigrants who reach these shores which is affecting the country so much as how they behave after they get here. They all seem to want to start a saloon or run for office.—Item

—THAT HACKING COUGH can be so quickly cured by Shiloh's Cure. We guarantee it. Sold by Smith & Black Bros., Plattsmouth, Neb.

—William McDiarmid is probably the oldest printer in the United States. He was born in Edinburgh in 1793, and helped to "set up" Walter Scott's novels from the original manuscript.—Item.

English Spavin Liniment removes all Hard, Soft, or Calloused Lumps and blemishes from horses, Blood Spavin, Curbs, Splints, Sweney, Stifles, Sprains, Sore and Swollen Throat, Coughs, etc. Save \$50 by use of one bottle. Warranted by Fricke & Co. druggists, Plattsmouth. 34-17

—The potato bugs of Iowa have been the death of three women who stepped on them barefooted this summer.

When Baby was sick, we gave her Castoria.
When she was a Child, she cried for Castoria.
When she became Miss, she clung to Castoria.
When she had Children, she gave them Castoria.

—Over 4,000,000 pieces of mail matter were handled by the Pension Office officials last year.—Item.

—WILL YOU SUFFER WITH Dyspepsia and Liver Complaint? Shiloh's Vitalizer is guaranteed to cure you. Sold by Smith & Black Bros.

—SHILOH'S COUGH and consumption Cure is sold by us on guarantee. It cures Consumption. For sale by SMITH & BLACK BROS.

A Valuable Find.

Nebraska State Journal: "Is it true, Mr. Crow, that you have found a long stretch of the best kind of fire-clay on your property south of town?"
"Yes, sir."
"Do you intend manufacturing fire-brick?"
"No, I have sold an option on the clay to eastern capitalists."
"Who are they?"
"Manufacturers of imported French candies."

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THE GREAT CONSTITUTIONAL REMEDY. For Debility, Dyspepsia, Weakness, Languor, Improved Appetite, Enlargement of the Liver, Nervousness, Palpitation of the Heart, Cold Feet, Numbness, Female Weakness, and in fact all disorders arising from a poor state of the blood, and a disordered condition of the Digestive Organs. Its effect on the human system is MARVELOUS. By exciting the stomach to perfect action, it purifies the blood, giving tone and vigor to the whole system, the flow of health, elastic spirits, and buoyant spirits, giving ample evidence of its beneficial effects. If constipated use Hesselroth's Cathartic Blood and Liver Pills. They cost no more than other purgatives, and are perfectly safe. Ask your Druggist for Hesselroth's Swedish Wine of Iron (Price 21 per Bottle; six bottles, \$1, and Hesselroth's Blood and Liver Pills 50c per box; five boxes, \$1, or send direct to LAWRENCE MENDELSTE, 167 Chicago Ave., Chicago.

\$1,500!

Prescribe of Patent Chess and Checkerboard, advertising the celebrated Synvita Block Remedies and a NEW WORM BLOCK. If you fail to get it on this small board call on your druggist for full-size. Handsomely lithographed board, FINEST of kind, ready for postage.

COUGH BLOCKS. From Mason Loam, the Converted Gambler. FOUR YEARS AGO, April 1883, I have given the Synvita Cough Blocks a thorough trial. They cured my little girl, 12 years old, of Croup. My wife and mother-in-law were troubled with coughs of long standing, and I purchased the Synvita Cough Blocks so they can talk as only women do. MASON LOAM.

WORM BLOCKS. LIMA, O., Jan. 25, 1887.—The Synvita Worm Blocks acted like a charm in expelling worms from my little child. The child is now well and hearty, instead of puny and sickly as before. JOHN G. ROBINSON.

BLACKBERRY BLOCKS. The Great Diarrhoea and Dysentery Checker. DELPHOS, O., July 10th, '86.—Our six-months old child had a severe attack of summer complaint. Physicians could do nothing. In despair we tried Synvita Blackberry Blocks—recommended by a friend—and a few doses effected a complete cure. Accept our heartfelt thanks for this most valuable remedy. MRS. A. M. AND MRS. J. HAZARD.

The Synvita Block Remedies are the nearest thing out by far. Pleasant, Cheap, Convenient, Sure, Handy, Reliable, Harmless and Pure. No box, no teaspoon or sticky bottle. Put up in neat packages. Do not pay for anything unless you get a cure or money refunded. Ask your druggist. If you fail to get a cure send price to THE SYNVITA CO., Delphos, Ohio, and receive them postpaid. COUNTERFEITERS WILL BE PROSECUTED.

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