

FARM NOTES

Beef Cattle Fed on Silage.

During recent years a number of the state experimental stations have carried on a series of experiments which have demonstrated that silage can advantageously be fed to beef cattle. The Tennessee Experimental Station has especially given close attention to this matter, probably more so than any other station, and in one of its bulletins shows how silage increases the carrying capacity of the land. Ordinarily from two to three acres of blue grass is required to carry a 1,000-pound steer after six months, when gaining from 300 to 400 pounds. Four 800-pound steers were fed for 150 days on the production of less than an acre of land in the form of silage and gained 866 pounds during that period.

When beef is raised on long that is high-priced, the above facts show especial strength in favor of silage. In 1903 a feed test was carried on by the Michigan Station for the purpose of ascertaining the relative number of pounds of beef that could be produced from corn fed in the form of silage, in the form of shock corn and in the form of corn and corn meal. The corn was secured from three different pieces of land, each nearly an acre in size. In addition to the corn fed in this manner the steers were fed daily rations of 5 pounds of corn and cob meal, 2 pounds of oil meal and 4 pounds of clover hay. After the experiment had continued for twelve weeks the average daily gain of the steers had been as follows: For the silage-fed lot, 2.22 pounds; for the shock-fed, 2.02, and for the corn and cob meal lot, 1.89 pounds. While it may be argued that this experiment should be repeated before conclusions can be drawn from it, still so far as these figures go the results were in favor of harvesting the corn in form of silage.

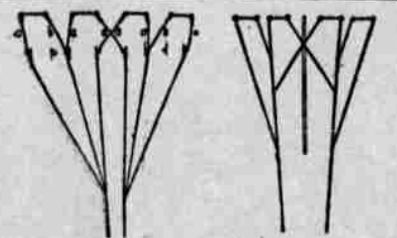
For Barb Wire Cuts.

When a horse has been injured on wire the first thing to do is to stop the flow of blood; this may be done by bandaging it up tight. It may also frequently be best to apply powdered alum or common saleratus, both of which will generally be found effective. In a few hours, considerable swelling will set in; this should be reduced either by applying cold water frequently, or, what is really better, applying pure kerosene oil, not only to the wound, but also to the swollen parts. No bandage should be kept on where kerosene is used, as it will then cause the hair to fall off temporarily, and as soon as it is safe to do so, the sore should be carefully washed with soft water and castile soap. This ought to be repeated daily until the sore heals. One of the best healing medicines for horse flesh that I have ever used can be put up at any drug store, as follows: One-half pint of alcohol, one-half pint of spirits of turpentine, one ounce of pure glycerine; mix all together in a large bottle and shake well before using. Apply only with a feather at morning and night. The sore should never be bandaged. By daily washing it will in this way heal up very rapidly. I can personally testify to the effectiveness of this simple remedy, as we have made use of it in numerous cases, with the best results, where every other remedy we tried failed to heal up the sore on the horse. —Agricultural Epitomist.

Four Horse Reins.

A correspondent asks how can a pair of lines be rigged up for four horses so that each horse will have a line to each side of bit, thus doing away with the tying together of horses heads.

The two sketches indicate arrange-



ments of lines that should prove satisfactory. In the first illustration A A A A are two-horse reins and checks; B B are short ropes with snaps and C C are bridle reins on inside of bridle with snaps to snap in check buckle on reins.

Possibilities of Our Farm Lands.

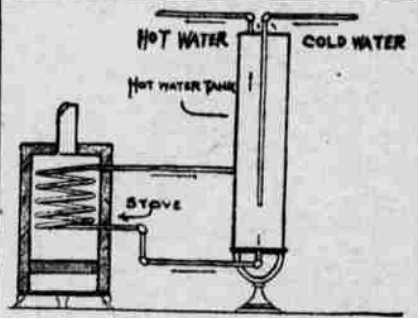
From the standpoint of the most reliable and recent investigations and information, our land, handled in accordance with certain natural laws that determine its proper cultivation, will not only furnish food and clothing for an immensely greater population for ages, but will supply fuel and

light and power when coal and petroleum shall have been exhausted. But we must look to better methods of soil usage for the alternative of bringing under cultivation unused and abandoned swampy conditions, although adding a vast total to our cultivable fields, will not always suffice to meet the growing demand. Already many sections of congested population are calling upon outside sources for food, and many of the large cities at times actually suffer from vegetable famines. Such shortages are due to more or less local and abnormal conditions, but might become general and permanent unless wise foresight should make provision for feeding our rapidly increasing population.

The producing possibility of our cultivable lands becomes almost inconceivable to the mind when we consider that only a small proportion of the land nominally in farms is actually under cultivation, and that our acreage yields are ridiculously low in comparison with those of highly developed agricultural countries like Germany, France and England, notwithstanding that our soils are naturally as productive, says the American Review of Reviews.

Hot Water Heater.

As a means of providing hot water for washing in the kitchen or for cleaning and sterilizing dairy utensils



the tank shown in the illustration is simple and cheap. Any stove in which the iron coils can be heated will serve the purpose.

Strength of Bone in Hogs.

The effect of feed on the strength of bone in pigs forms the text of a bulletin by Nebraska Experiment Station. The experiment shows very marked increase in the strength of bone when tankage or ground bone is fed in addition to corn. In determining the strength of bones the two principal bones in each leg of each animal were removed and broken in a machine. There were four pigs fed in each lot, making the figures given the average of the breaking of thirty-two bones in each lot. The average breaking strength per 100 pounds live weight of hogs after twenty-two weeks feeding was as follows: Lot 1, corn, 325 pounds; lot 2, corn and shorts, 396 pounds; lot 3, corn and skim milk, 509 pounds; lot 4, corn and tankage, 580 pounds; lot 5, corn and ground bone, 681 pounds.

Dairy Farm Implements.

Every dairyman should endeavor to have as many labor-saving appliances around and in his barn as possible. For instance, the removal of manure from a dairy barn entails a great deal of hard work. However, the work may be greatly lessened if the farmers will install a manure carrier, which runs on a track. These carriers cost little in comparison to the amount of labor they save.

Every dairy farmer should have a manure spreader. One spreader may do the work of several men in the spreading of manure on the fields. The manure is spread more evenly and each ton returns more value for this reason. No dairy farmer can afford to be without a manure spreader. But he should buy a standard make.—Inland Farmer.

The Tomato Worm.

The big tomato worm, which eats the leaves from the tomato vines is very difficult to see because it so resembles the tomato foliage in color. After they get through eating and mature they drop to the ground and burrow in it, to pass the winter in the chrysalis stage. In the spring, when the garden is plowed or spaded, the chrysalis may be found, and can be recognized by their brown color and "jug-handle" protuberance.

Largest Grapevine.

The largest grapevine in the world flourishes in San Gabriel, Cal. It was planted by the San Franciscan friars and is 120 years old. The stalk is 1 1/2 feet in diameter and 8 feet high, and the branches and foliage cover 5,000 square feet. Last year it produced 2 1/2 tons of grapes.

SOMETHING FOR EVERYBODY

There are blind stenographers and typewriters.

The use of leather shoes of the foreign type is rapidly extending in Japan.

There are in France over 19,000 qualified medical practitioners and over 11,000 pharmacists.

Of the Philippine Islands the one which probably has the most productive soil is Mindanao.

The roller skating fad, which became popular in England last winter, promises to continue this season as well.

In reply to an inquiry, Consul Chas. M. Caughey of Milan reports that harness racing is becoming more general in Italy, twenty-six meetings having been held in 1908 in twenty-three cities.

With a view to raising the standard of pillow, needle point and Midland lace production by English peasantry the lady mayors of Midland will hold an exhibition entirely of English hand-made lace at the Mansion house.

The Chinese thrash rice by hand, beating a bunch against a frame suspended over a basket. For a fanning mill the usual way is for them to put the unhusked grains into a receptacle and tread on them with bare feet until the breeze has blown away the chaff.

Fifteen hundred "six-penny cabs," hansoms and four-wheelers have just been placed in the streets of London, and they are said already to have scored a great success. Each cab bears a little flag with the announcement: "Sixpence (12 cents) not exceeding one mile."

The financial possibilities of cinematograph theaters have dawned slowly on the British mind, long after they were extensively exploited in the United States and on the continent, but provincial theaters are now beginning to feel the effects of their competition seriously. There are one thousand of these shows in the United Kingdom already, and the number is increasing monthly. The price of admission ranges from a penny to a shilling.

The electric treatment for skin diseases, first introduced by Professor Leduc of Paris, in 1903, has now emerged from the experimental stages and is extensively used at Bartholomew's hospital, London. The treatment consists of passing an electric current through the diseased part, one of the electrodes being a covered pad soaked with a solution containing a drug or chemical. The electricity breaks up the solution into ions, which penetrate the tissue cells with the current.

Up-to-date stenographers use the typewriter automatically, pretty much as pianists play in the dark. This not only relieves the eyes, but gives greater freedom to thought and movement of the body, and puts a large part of the work upon the centers of the automatic nervous system in the tip-top of the spinal cord, which act more or less independently and without concentration and fatigue of the higher brain cells. Some can type a rapid dictation in the dark with only seeming playful effort, and a few can use their fingers, chew gum, talk, laugh and work all at the same time. —New York Press.

In microscopic form Moissan, the French chemist, produced absolute diamonds, which are but crystallized carbon. The largest artificial diamond yet produced measures less than one millimeter (.03937 of an inch) in diameter. In Moissan's laboratory they believe that if they could deal with forty or fifty pounds of iron as easily as with four or five ounces their diamonds would be larger. They also believe that the process of their laboratory is the process of mother earth, though down in her secret laboratories the earth has temperatures and pressures they can not command and aeons of time to perfect her work.

Sir David Gill, who, says the Westminster Gazette, is to make a report to the International Geodetic Conference on the progress made with the African survey from the cape to Cairo along the 30th meridian east, commenced that great task many years ago while astronomer royal at the cape. He pointed out to the colonial government that a proper survey was essential to any system of land tenure, and showed that big tracts of land had been lost to the government by the wilful shifting of beacon marks, made possible by hurried and inadequate surveying. Mr. Cecil Rhodes early saw the value of this advice, and not only acted on it in Rhodesia, but provided in his will for a grant of some 250,000 from the funds of the British South Africa Company toward the expenses of carrying the meridian arc northward toward Lake Tanganyika. The survey has now been carried seventy-two miles north of the equator.



Howard—Mrs. Holmes gets on much better with her husband than she used to. Coward—Same husband?—Life.

"Is that your mother-in-law over there, smiling at you?" "No. If she's smiling at me it isn't my mother-in-law."

She—Of course, I'm not as old as you think I am. He—I hope not—I mean you can't be—that is—how old are you?

"He's got no license to talk the way he does." "Oh, he's got a license all right. What he lacks is a muzzle."—Cleveland Leader.

"An optimist is one of them chaps, I guess," says Uncle Sam, "who don't care a hang what happens so long's it don't happen ter him."

Laffan—You are rich enough to buy an automobile. Why don't you do it? Grofat—Because I'm not rich enough to own one.—Chicago Tribune.

"That fellow seems to be extravagant." "Hopelessly. He spends his own money just as if it were the government's."—Louisville Courier-Journal.

"I'm going to marry Dick." "Why, you told me you weren't in love with him." "I'm not, but I've just heard that a girl I hate is!"—Cleveland Leader.

"What do you think, my dear? Such luck! We leave for Paris in an hour." "Really?" "Yes, we're going to Pasteur's. My husband has just been bitten by a mad dog."—Bon Vivant.

"Why are children so much worse than they used to be?" "I attribute it to improved ideas in building." "How so?" "Shingles are scarce, and you can't spank a boy with a tin roof."

"And did you really go to Rome?" asked the guest. "I really don't know, my dear," replied the hostess, just returned from her first trip abroad. "You see, my husband always bought the tickets."

"Hello, mate, 'ow is it you ain't workin'?"

"Well, it's like this: I works in a domino factory, and I puts on the spots, and they're making double blanks to-day!"

Wearly Billiam—What did ye tell dat lady when she asked ye if ye wuz equal to de task o' sawin' wood? Tattered Tom—I tol' her dat equal wuzn't de word. I wuz superior to it.—Chicago Daily News.

"My steady looks exactly like Apollo!" sighed the sentimental one. "That ain't narten," sniffed the lass of the glove counter. "My beau is the original for the Peerless Perfection Dress Shirt ads."—Puck.

"Why did that picture cost so much?" "Well," answered Mr. Cumrox, "to tell you the truth, I have an idea it's because the dealer who sold it to me is a good business man."—Washington Evening Star.

"Clear out o' here, ye sassy little brat!" shouted the cook, thumping the table with a rolling-pin. The little girl gave the cook a naughty look. "I never allow anyone but my mother to speak to me like that!" she said.

Judge (sternly)—Three times in a month! What do you make of this, sir? Rastus (apologetically)—Deed I doan' make nuffin'. You fellows up here seem to be de only ones dat get any 'cunlary profit out of hauling me up.—Puck.

Her—Great heavens! My worst fears are realized! Him—What on earth's the matter? Her—I've got a telegram—Him—Yes—yes! What does it say? Her—I don't know. I haven't dared to open it yet!—Cleveland Leader.

"Scientists have decided that Methuselah was only seventy-nine years old." "That is more like it. It is absurd to suppose that any man could have lived to the age of 969 years." "Oh, I don't know—there were no automobiles in those days.—Houston Post.

"Jim," said an honest coal dealer to one of his drivers; "Jim, make that ton of coal two hundred pounds short. It is for a poor, delicate widow, and she will have to carry all of it up two flight of stairs, I don't want her to overtax her strength."—Philadelphia Kronikle-Herald.

"Well, Judson, how did you make out with your summer boarders?" asked the tall bumpkin on the fence. "Wal, tolerable," drawled the old farmer. "Three of them were artists, so I got them to paint the barn, and the two that skipped board ran away with two of my homely daughters, so I can't kick, begosh."—Chicago News.

Insomnia

"I have been using Cascarets for Insomnia, with which I have been afflicted for twenty years, and I can say that Cascarets have given me more relief than any other remedy I have ever tried. I shall certainly recommend them to my friends as being all that they are represented." Thos. Gillard, Elgin, Ill.

Pleasant, Palatable, Potent, Taste Good, Do Good, Never Sicken, Weaken or Gripes. 10c, 25c, 50c. Never sold in bulk. The genuine tablet stamped C.C.C. Guaranteed to cure or your money back. 924

Opportunity.

The two sat on the park bench, looking at the moonbeams dancing over the lake.

"Just one, Doris!" he pleaded.

"Sh!" she whispered. "I feel as if some other man were watching us!"

Just then the moon accommodatingly went behind a cloud—and the man 'a it disappeared.

Hard to Place Himself. "Engaged to that beautiful girl, and yet not happy?"

"Well, she's gone in by turns for rowing and tennis and horses and golf and dogs."

"Say on."

"Sometimes I wonder if I am a sweetheart or merely a fad."—Louisville Courier-Journal.

Too Harsh.

"Wretched woman! you took advantage of my hospitality to steal my husband."

"Pardon me, but it is exactly stealing where a guest, wishing a souvenir of an agreeable visit, carries away with her some trifling thing which her hostess gives every token of caring little for?"—New York Life.

A Continuous Performance.

Anxious Wife—John, I will have to have some new clothes this fall.

Economical Husband—Good heavens, Eliza, how long is this thing to go on? That's just what you said last fall.—Baltimore American.

Emperor Francis Joseph of Austria twice a week holds an audience, when he is accessible to the richest and poorest of his subjects.

The Exceptional Equipment

of the California Fig Syrup Co. and the scientific attainments of its chemists have rendered possible the production of Syrup of Figs and Elixir of Senna, in all of its excellence, by obtaining the pure medicinal principles of plants known to act most beneficially and combining them most skillfully, in the right proportions, with its wholesome and refreshing Syrup of California Figs.

As there is only one genuine Syrup of Figs and Elixir of Senna and as the genuine is manufactured by an original method known to the California Fig Syrup Co. only, it is always necessary to buy the genuine to get its beneficial effects.

A knowledge of the above facts enables one to decline imitations or to return them if, upon viewing the package, the full name of the California Fig Syrup Co. is not found printed on the front thereof.

MORPHINE Before you pay a cent, we will convince you that Morphine permanently cures any drug habit. Guaranteed not to contain Morphine, Laudanum, Opium or any other habit forming drug. No money required in advance, a full month's treatment sent to those afflicted without one cent of deposit. Morphine has cured thousands, it will cure you. Give it a free trial. You are to be the sole judge. Address: **MORPHINE MEDICINE CO. FREE ON APPROVAL** 3249 Locust St., St. Louis, Mo.

Raises the dough and complies with all pure food laws.

CRESCENT BAKING POWDER

CRESCENT MFG. CO. Makers of MAPLEINE (better than Maple).

Painless Dentistry

Out of town people can have their plate and bridge work finished in one day if necessary. We will give you a good 22k gold or porcelain crown for \$3.50 Molar Crowns 5.00 22k Bridge Teeth 3.50 Gold Fillings 1.00 Enamel Fillings 1.00 Silver Fillings .50 Inlay Fillings 2.50 Good Rubber Plates 5.00 Best Red Rubber Plates 7.50

DR. W. A. WILE, President and Manager 22 YEARS ESTABLISHED IN PORTLAND Painless Extractions. **WORK GUARANTEED FOR 15 YEARS** Painless Extractions. Free when plate or bridge work is ordered. Consultation Free. You cannot get better painless work done anywhere. All work fully guaranteed. Modern electric equipment. Best work.

Wise Dental Co. FALLING BUILDING, INCORPORATED THIRD & WASH. STS. PORTLAND, OREGON 8:30 TO 12:30 A. M. to 7 P. M. Sundays, 9 to 12