

PEDIGREE AND GUARANTEE.

An animal is like a machine. To make a good machine requires that each part be of good material and just the right weight and strength. The good animal must have its parts developed in the right proportion to make the type desired. The adaptability of a machine and the proportioning of its parts can be largely determined by looking at it. However, the make of the machine is the guarantee as to its possessing or lacking quality. Likewise in the animal a good deal can be determined as to its type by looking at it. Its real quality, however, cannot be determined in this way. To get at this it becomes necessary to go further back. The quality was put into the animal by its parents, its grandparents, its great grandparents, etc. This makes it important to know that all these parents had qualities that would contribute to the making of a good animal of the type wanted. A pedigree is a scheme for keeping track of the parents of an animal. It is a guarantee of what is back of the animal, of what has contributed to its make-up. It is this fact that makes the purebred animal valuable.—North Dakota Experiment Station.

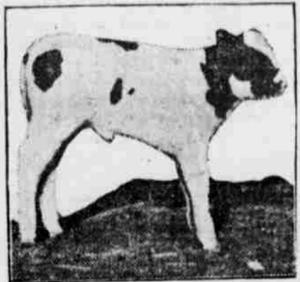
DEHORN CALVES WHEN YOUNG

Treatment is Painless if Applied Before Animals Are Week Old—Directions to Follow.

(By CARL J. MENZIE, Ferndale, Wash.)

Young calves can be painlessly dehorned if the treatment is applied before they are one week old. Anyone can do it if they follow directions:

Procure from a druggist a stick of caustic soda or caustic potash—it usually comes in sticks five inches long and the size of a lead pencil. Now clip the hair off over the place where the horn can be felt. After this is finished, wash with soap and water



Young Holstein Calf.

and thoroughly dry with a towel. Take the stick of caustic and wrap some paper around the end that is to be held in the hand. Now moisten the other end and rub on each clipped spot alternately, two or three times, allowing time for it to dry between each application. Don't get the stick too wet and rub only where the horn is to appear, because if it gets on the surrounding skin it will eat the flesh away and cause pain. After the treatment protect the calves from rain, as water on the head will cause the caustic to run on the surrounding skin.

ESSENTIAL TO LIFE OF SOIL

More Vegetation Must Be Turned Under to Replace That Burned Out by Heat of Sun.

The time has come when we must turn under more vegetation to replace that burned out by the heat of the sun and intense cultural methods. Vegetable matter is essential to the life and yield of the soil. Regardless of the amount of plantfood in the soil, before a good yield can be expected the land must have enough organic matter to make it light, mellow and friable. The first essential is vegetation, then moisture, and next cultivation. Do not be too persistent in leaving the fields clean. A few weeds may not be altogether objectionable.

BEST IMPROVEMENT OF SOIL

Much Easier to Maintain Productivity of Land Than to Rebuild Soil Robbed of Fertility.

If the soil is neglected in any respect in the development of our system of farming, our agricultural structure will become top-heavy. Soil improvement is the foundation upon which our structure of permanent agriculture is based. It is much easier to maintain the productivity of the land than it is to rebuild a soil robbed of its fertility.

TIMOTHY HAY IS VALUABLE

Palatability is One of Chief Reasons Why it is Standard in Most of Our Markets.

Timothy hay is a palatable hay and this is one of the chief reasons why it is standard in most markets. In addition to this, a horse can be fed a large quantity of it and will suffer no ill effects when given a hard drive immediately after having eaten the hay. Palatability depends largely on the time the hay is cut and on the method of curing.

SULTAN IS FOND OF READING

Turkey's Ruler for Weeks at a Time Shuts Himself in Private Suite, Surrounded With Books.

Although the sultan of Turkey is reputed to be the laziest potentate in Europe, he is passionately fond of reading. For weeks at a time he will shut himself in his private suite, surrounded by literature of all kinds—classical works, novels, magazines and newspapers. With the exception of his personal attendants and ministers of state, no one is allowed in the imperial sanctuary during the sultan's literary "fits."

But the sultan is at something of a disadvantage, says a British weekly, because his knowledge of European languages is limited.

In order to overcome the difficulty he employs a translation office. Here there are officials who speak all the languages of Europe and the East. They read all the political and illustrated newspapers of importance, and translate extracts from them for the sultan. There are 15 superior translators, called drag-mana secretaries, in that office, and their pay is from ten to forty Turkish pounds monthly.

They do not limit their translations to political publications; they translate novels and romances in all languages for the sultan, and many thousand volumes of their work have found their way into the imperial library. They are all written on thick, white, royal, octavo, gilt-edge paper, and are fastened together with green and red ribbons by the translators themselves.

After circulating through the harem they are preserved in the library. The sultan's favorite reading is criminal romances. He subscribes to all newspapers that contain reports of the proceedings in the law courts, and there is no famous writer of stories of crime in any language whose works have not been translated for him.

HOW TO USE COAL PROPERLY

House Should Not Be Allowed to Become So Warm That Doors and Windows Are Opened.

If you want to save coal never allow the house to get so hot that you have to throw open the windows and doors. Thermostats are cheap these days. They automatically slow down the fire when the temperature is rising to the uncomfortable point.

To get the most out of the heat in coal, the house air should be changed once an hour. Arrangements for such a change should have been made when the house was built. But if that was overlooked when the house was built you can get the change of air in several ways, says a writer in the American Magazine. I do not believe in getting this result by having loose windows, as we used to do on the farm. I prefer tight windows, carefully weather-stripped. If that has not been arranged for, or if the cost is too great, I find that storm windows are relatively cheap. Then, air slots which let in air when you want it are good.

An Actor's Wish.

George Ade, on his return from a visit to Camp Mills at Mineola, brought a story back home, says the Indianapolis News. While in New York city Mr. Ade dropped in at the Lambs club, where a lot of actors past war age were sitting around talking about the trenches. Everybody was anxious to fight, but all said they were too old. One of the company said he regretted greatly that he was not eligible, but he hoped that he might do his bit in some way on this side. He said: "I would even be willing to go to France on the next transport if I could get the kind of war job I have in mind." "What's that?" asked another actor. "Well," replied the would-be warrior, "I should like to go to the front as the chauffeur for a general with a yellow streak."

Friends in Need.

Gov. Thomas E. Campbell, in an argument in favor of an excess profit tax, said in Phoenix:

"These fellows are great friends of the government, but when it comes to being taxed, why, then—then they're like Murphy."

"Cheer up, man!" said Murphy to Dooley. "Yez look as if yez didn't have a friend in the whole wurld."

"OI haven't, nayther," Dooley groaned.

"G'wan!" cried Murphy heartily. "If it ain't money yez want to borrow, O'm as good a friend as ever yez had."

Bullet-Proof Tires.

Experiments made at the Northwestern Military and Naval academy apparently show that our best pneumatic automobile tires are fairly immune from injury from rifle bullets, and it would be interesting to know how much trouble has been experienced from this cause on the European front, says the Scientific American. It is probable, however, that this is the least of the causes of trouble and that punctures resulting from running over rough ground, and the debris of battle wrecked villages are far more serious.

Sixty Miles an Hour Climbing Speed.

A modern airplane weighing as much as a small touring car without any passengers can climb at the rate of 60 miles an hour. The aviator would say that his machine's rate of ascension is 1,300 feet a minute. Such an airplane would have an engine of a brake horsepower of 180. The airplane climbing at 60 miles an hour ascends a gradient of 1 in 3 1/4 to 1 in 4.—Popular Science Monthly.

SCOT BEATS LAW BY A NOSE

Thirsty Sandy, in Wild Race Against Time, Arrives on Quarter Minute and Gets His Drink.

Writing in Everybody's, Maude Radford Warren enumerates some amusing incidents showing the effects of limited war prohibition in England. One evening the author witnessed the following race against time that was staged near Victoria station, London, at an hour when traffic is thickest:

"Presently a shouting and cursing arose at the center of the intersecting streets. People turned, peering and gaping. Strutting straight through the traffic, regardless of thundering trucks and sizzling cabs and obstructing pedestrians, came a Scotchman. His eyes were glassy and staring; his lips were flying; his knees were twinkling. On he came, straight for the public house. If he could get a hand on a glass of his national vodka by 9:29 1/2, he was saved. Would he make it? A group of ribald Americans cheered him on, yelling at him in race track fashion. His fellow Scotchmen silently made way for him, and some of them even pushed people out of his path. But they did not cheer; it was a matter too deep for sounds. On came Sandy; panting, glaring, he leaped through the door, and a sympathizer from over the seas who followed him reported that 9:29 1/2 he had a strong Highland paw curled around three fingers of Scotch. The early closing law, thanks to good sprinting, had been respected—but nevertheless, the trench had been taken and the day saved."

MAY KEEP ENGAGEMENT RING

Jersey City Judge Rules in Favor of Girl Whose Intended Sought Return of Sparkler.

There can be no Indian givers on the Jersey side of the Hudson, so ruled a judge in Jersey City, writes a New York correspondent. As a result of the decision a young swain is out a \$150 diamond ring, which he wanted a blue-eyed, petite blonde to return to him.

The two were engaged, and, according to custom, he placed the sparkler in question on her left hand. They then quarreled because she, according to his testimony, preferred the tango, jazz and foxtrot to sitting on a sofa and discussing their future. Therefore he broke off the engagement and demanded his presents back.

The judge was called upon to decide whether an engagement ring was a gift outright or merely a gift contingent upon the fulfillment of a promise to wed. The court then arranged a little "Solomon judgment" skit that worked to perfection, so far as the judge and the young woman were concerned.

The Kaiser is quoted as saying that all he wants is justice, and the Allied world is of one mind in the determination to see that he gets it—and in full measure. The probabilities are, however, that his kaiser-ship won't recognize the article when he sees it coming.

General Pershing has sent the American people a message that contains a volume in a sentence of three clauses. He says, "Germany can be beaten, Germany must be beaten, and Germany will be beaten." To every word of which every red-blooded American will shout "Amen!"

FARM TRACTOR OPERATION TAUGHT AT SHORT COURSE.

How to Use Care and Repair the Big Giant of the Field Will be Shown in Supervised Practice.

The farm tractor, will be used next season much more than ever before in Oregon, and a course in the care, use and repair of the big labor and money savers will be given at the State College Jan. 7 to Feb. 5.

The natural increase in the use of machinery has been greatly hastened by the war conditions of labor shortage, demand for increased production, and necessity for haste. But the initial cost of the tractors is so great that their life should be prolonged and they should be used most economically to offset interest and depreciation.

Farmers who expect to buy tractors will have an opportunity to see 18 standard machines of various sizes and makes actually at work and pick the one they want. They can learn to operate and care for it under expert direction.

Blacksmithing and woodwork necessary to upkeep will be taught in connection, and many farmers are planning to send their most trusted helpers to take this work, saying that it is the only practical method of training their men for the particular service.

The other course in farming and home-making will run as usual, and reduced railroad fares have been granted.

CATTLE FATTENING ON RANGE FEED NOW.

"At this time last year," said C. R. Peterson of the Circle Bar ranch, who is spending the holidays with his family here, "we had cattle on the feed lots for six weeks and they were getting thin at that."

"This year most of the cattle are still on the ranges and they are getting fat on the pickings they have. It seems that we cannot have more than six weeks of winter when it will be necessary to feed and that means that there is more than enough hay to feed all the cattle in the country and have a big surplus for next year. That means, too, that unless the hay ranchers of the lower valley provide a means for shipping their hay out of the country there is going to be a big drop in hay prices."—Ontario Argus.

With all the loss and damage growing out of war, it is encouraging to know that those congressional salaries have suffered no curtailment at the hands of the income tax collector.

It is rumored that Ex-Czar Nicholas of Russia has escaped from Siberia and his whereabouts in unknown. Kerensky also has faded from view. Lenin and Trotsky will probably soon join the disappearing procession. Such is the destiny of dictators in Russia.

EATS TO YOUR ORDER

We are ready at all times to serve meals to your order, from the full course dinner to the most "conservative" of lunches.

Can supply you with "wheatless" or "meatless" meals at your pleasure—and either will be appetizing and nourishing.

Mace's Restaurant

THE OFFICERS and DIRECTORS

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CRANE STATE BANK
CRANE, OREGON

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We Pay Interest on Time Deposits

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IN APPRECIATION

Of your past co-operation and friendship we extend to you the heartiest greetings of the season and wish you a year of health, wealth and happiness.

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And Everything for Eats
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We carry goods advertised on the "Home Products Page"

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