This Animal Is Five-Eighths Buffalo and Three-Eighths Hereford.

The Spanish edition of the Pan- | cow, according to the preponderance American Union Bulletin reviews Mr. of either species in its blood. Borthwick's article on the "Catalo" in the Forecast. The following English version gives the salient fea-

It seems that a new species of the genus bos has been evolved in the United States and Canada. As is well known, the American bison, or buffalo, has become almost extinct, only a few small herds, nearly all to be found in captivity in zoological gardens, being left to propagate the species. The catalo, the name given the new species, is a cross between the buffalo and the domestic cow, and according to an article by Mr. Benton Borthwick in a recent number of the Forecast (published in Philadelphia, Pa.), much may be expected from it as a meat producer. He states that unlike most hybrids, which proverbially inherit the worst qualities belonging to both parental strains, the catalo seems to have selected and combined In himself the most useful qualities of both buffalo and cow. He is so hardy that he can live on pastures that would afford poor sustenance for even a sheep, and his meat is equal to the best beef, to which has been superadded the tender luscious hump that made the wild buffalo so eagerly sought by the huntsmen of the plains. It was the extreme desirability of

this hump, combined with the value of his shaggy hide, that helped to bring about the practical extinction of the American buffalo. The Indians appreciated both, but they lived in peace and amity with the buffalo and left enough of them to insure an inexhaustible supply of meat and tepees for future years. The white man's appreciation was equally keen, but, like the Indian, the buffalo was in his way. He wanted the plains for his cattle to range over and he did not approve of the cattle associating if left to itself, will thrive and gain in with the buffaloes. Therefore the buffaloes were gradually exterminated.

the buffalo strain, and the experiments began as far back as the first invasion of the western plains by white men, but they always failed. Even down to the present day there are but two breeders who have succeeded in establishing this new bovine strain, one in Texas and the other in

The important fact remains, however, that the new species has really been established and there are now a sufficient number of cataloes, according to Mr. Borthwick, to make it safe to prophesy that the new animal will play a leading part in the future food supply of the United

Unlike the mule, this hybrid is able to perpetuate its own species without reverting to type. So far as is known. Than in many years. no males have ever been born from from the first cross are bred either to domestic or buffalo bulls, so that of their parasitic enemies. the second generation is either threequarters or one-quarter buffalo, as the attracted very little attention. case may be. In this second generation the animal resembles very closely of control must be used to keep them either the buffalo or the domestic within bounds.

From these animals are produced the true catalo, the animal that has both species on both sides. When the true catalo appears, it becomes a type which combines the characteristics of both lines of ancestry and is quite distinctive. It has a heavier coat than the domestic animal, carries a larger hump and bigger hind quarters than the buffalo and-what is still more important-carries approximately 150 pounds more of edible meat than the ordinary beef animal.

Knowing that the great secret of producing a larger quantity of meat lay in the hump of the buffalo, the first care of the breeders of the catalo was to transfer this hump to the back of the new hybrid animal. Instead of being a huge lump of fat, the hump of the catalo forms the upper cut of a rib roast of beef. It is tender, clear meat of excellent flavor. scarcely distinguishable from that of the ordinary beef cattle. The great value of the catalo as a meat animal is that 70 per cent of his weight can be sent to the table.

As the situation stands today, the problem of the catalo is not one of the mechanics of breeding. That has all been done and now it is simply a matter of selection. The rule has been established that if an animal is one-eighth buffalo it can produce fertile bulls. Therefore the best of the hybrids are all being used for the purpose of propagating better animals and the others are being used for meat. Already carcasses have been sent to the slaughter houses.

Time alone is necessary to establish a race which will make productive vast areas that are good for little else. On these almost arid plains grazing is too thin and water too scarce to allow the better grade of beef animals to exist, but the catalo, weight. The range animal of the past has been responsible for tough, fibrous Even in the early days there were meat-too often diseased. The range some far-seeing individuals who dimly animal of buffalo strain is hardy saw the possibilities of an animal enough to resist disease and will prowhich would be a blend of buffalo and | duce clear-fibered meat that never gets | cow, so a number of breeders tried to tough. Before many years it is likeestablish a species of cattle carrying ly, according to Mr. Borthwick's view, that the problem of our meat supply will be solved by the blending of the American bison blood with that of the beef animal that for a century has formed the main food dependence of the people of this continent.

ENEMIES OF TREES IN LARGE NUMBERS

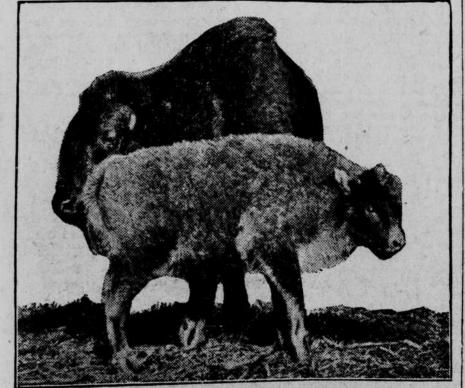
Weather Conditions Have Been Favorable for Reproduction of Plant Lice or Aphids.

This season plant lice or aphids on trees and shrubs are more abundant

Weather conditions have been very this first cross. The heifers resulting favorable for their reproduction and very unfavorable for the reproduction

Many of the aphids in normal years

In abnormal years artificial methods



This Dam and Its Young Are the Result of a Mixture of Buffalo and Domestic Cattle Through Both Lines of Descendants.

Farmer Runs Risk of Losing Stock by

Turning Them Into Field of Rank Growing Alfalfa.

There is always more or less danger in pasturing cattle on alfalfa, clover or rape. This has been known for many, many years. When one turns a bunch of cattle in a field of rank growing alfalfa, clover or rape he does so at the risk of losing several of them. Sometimes there is no loss, but it is ture; it, in a measure, is preventive.

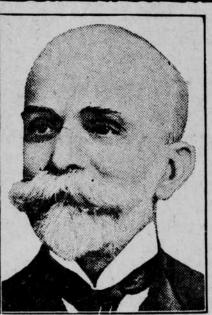
DANGERS IN MANY PASTURES | luck if there is none. If there are other grasses with the alfalfa, as June grass or red top, or timothy, the danger is not great, for cattle like these grasses best and will eat them first, and by mixing them in eating, the danger from bloat is largely elimi-

> The crickest and easiest way to relieve a case of bloat is to use the trocar and cannula, and it is more effective also. Be sure to keep the animals well salted while on this kind of pas-



MORALINE DIESTON - HOUSE CONTRACT AND AND ADDRESS OF THE PARTY OF THE

PORTUGAL'S NEW PRESIDENT



Bernardino Machado, the recently elected president of Portugal, has been prominent for years in public life, having served his country as premier, provisional minister of foreign affairs, minister of the interior and minister to Brazil. He has been considered the foremost man in the republican party, and before the overthrow of the monarchy was regarded as the logical choice of that party for the presidency. In January, 1908, he was accused of conspiracy against the crown, but the charges never were

Senhor Machado, who is sixty-five years old, formerly was professor of philosophy in Coimbra university, but was ousted from his chair because he joined the anticlerical movement. He is an excellent speaker, and during his public career has been regarded as strongly pro-British. One of the interesting stories re-

garding Senhor Machado is that he served as Portuguese minister to Washington in 1900 and 1901 under the name of Marquis de Santo Thyrso, but was recalled because he made a pre mature announcement to his country of President McKinley's death, which resulted in Lisbon sending messages of condolence four or five days before the president died. After his recall, according to the story, he dropped the title, which was of papal origin, and resumed his family name.

The president of the Republic of Portugal is elected by joint vote of both chambers of parliament for a term of four years, and cannot be re-

PLEASANT TOM TAGGART

The power of personality never was better illustrated than in the career of Thomas Taggart, the Indiana-and national-political leader. Irish by birth, Taggart must have caressed the blarney stone from the earliest days of his infancy to the day of his departure for American shores This is not to say that he is an orator. He is nothing of the sort. On the contrary, he is no speechmaker at all. But when it comes to saying quickly. in private conversation, or in passing greeting, the right thing in the right way at the right moment, Taggart is without a superior in the whole coun try. Not even his bitterest enemy will find the slightest fault with Taggart's ever-brilliant, ever-pleasant smile. That was the gift with which he

began life. That was his talent and his capital. A cheery smile, a firm. friendly hand-clasp, a ready sympa thy-these went with it. And the com bination elevated Thomas Taggart from a clerk's position behind a depot lunch counter and a salary of eight

dollars a week to the highest position of political bossism in state and nation and to the millionaire's status in point of fortune. Taggart's intimate friends are agreed that Taggart's political leadership

has cost him, in money, far more than it has ever put in his pocket. His hands, they say, are clean. His fortune was made when he gained control of the company that operates the French Lick Springs hotel.

GUARDS PRECIOUS DOCUMENTS



Woman's sphere in affairs of state extends into one of the most important offices of the government. Especially important at the present day is the library of the state department, where are kept the treaties, records and valuable data that determine the American policy in world affairs.

Miss Lucy Stuart Fitzhugh, who has catalogued and classified the library, is the expert clerk of the library, and cares for its precious documents. She takes the place of the honored "keeper of the rolls," who ranks as a high dignitary in foreign

"We have here a great many publications and documents that are to be found nowhere else in the world," she says. "Among our most precious documents are the Declaration of Independence and the Constitution of the United States in the originals, with the articles of confederation, the emancipation proclamation and other

papers vital to our country's history." Miss Fitzhugh is a Kentucky girl. She taught school in Pennsylvania, Georgia and Michigan, and won her present office through the civil service Dr. Eugene Wambaugh of Harvard, who was a special counsel for the state department when the European war broke out, remarked that the government had at least one employee well placed. She translates foreign languages, and knows the contents of treaties like a book.

CHIEF JUSTICE WHITE'S JOKE

Although ponderous and learned and dignified, Chief Justice White of the Supreme court cracks an occa-

White buys cigars at a certain drug store in Washington, and the man behind the cigar counter has come to know him well enough to talk to him rather freely.

One day as he handed the chief justice his change the cigar salesman inquired breezily, by way of small

"Well, Mr. Chief Justice, how's the Supreme court going to decide those antitrust cases next week?"

"It isn't a matter that we're supposed to talk much about," replied White, pleasantly. "Still I don't mind telling you, provided you'll give me your assurance that it will go no further."

"Oh, I shan't tell a soul," declared the cigar man, earnestly, "Not a

White leaned over the counter and whispered: "We're going to decide them-right."

Wife's Ingratitude. "All my efforts to be useful around home come to naught," wailed an Atchison man. "The other day it entered my head to do the family washing. But because I put tea towels in the washing machine with white sting? clothes, and later put colored clothes with white clothes, and still later washed dishes with water I took from the washing machine after the washing was done, my wife ordered me to leave the premises."—Kansas City

Religion and Business. Unctuous Stranger (who has been asked to lead in prayer)-Oh, Lord! prepare us all to die; so dat when dat dread moment arrives we kin calmly say, "Oh, death! whar is dy the grounds along the side. For the Oh, grave! whar is dy victory?" And, oh, Lord, if dar am any present here tonight dat am not prepared to die, guide them, we beseech thee, around to room 74, at de American Eagle hotel, whar I am stoppin' as de general agent ob de Coontown Life Insurance company!-Life.

ROADS MUST BE MAINTAINED

No Phase of Public Thoroughfare Problem of More Importance-Keep Surface Well Drained.

There is no phase of the road problem more important than that of maintenance. The general impression that there are certain types of roads that are permanent is erroneous. No per manent road has ever been constructed or ever will be. The only things about a road that may be considered permanent are the grading, culverts and bridges. Roads constructed by the most skillful highway engineers will soon be destroyed by the traffic, frost, rain and wind, unless they are properly maintained. But the life of these roads may be prolonged by systematic maintenance. A poor road will not only be improved by proper maintenance, but may become better in time than a good road without it.

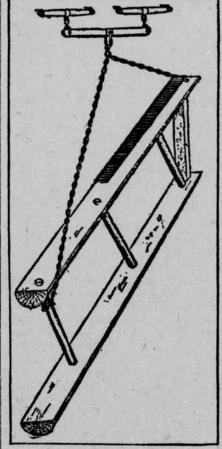
The first and last commandment in earth road maintenance is to keep the surface well drained. To insure good drainage the ditches should be kept open, all obstructions removed and a smooth crown maintained. Except for very stony soil, the road machine or scraper may be used very effectively for this work. The machine should be used once or twice a year, and the work should be done when the soil is damp, so that it will pack and bake into a hard crust. Wide and shallow side ditches should be maintained, with sufficient fall and capacity to dispose of surface water. These ditches can in most cases be constructed and repaired with a road ma-

All vegetable matter such as sods and weeds should be kept out of the road, as they make a spongy surface which retains moisture. Clods are also objectionable, for they soon turn to dust or mud, and for that reason roads should never be worked when dry or hard. Bowlders or loose stones are equally objectionable if a smooth surface is to be secured.

A split-log drag or some similar device is very useful in maintaining the surface after suitable ditches and cross sections have once been secured. This drag can also be used to advantage on a gravel road as well as on an earth road. The principle involved in dragging is that clays and most heavy soils will puddle when wet and set very hard when dry. The little attention that the earth road needs must be given promptly and at the proper time if the best results are to be obtained.

In dragging roads only a small amount of earth is moved, just enough to fill the ruts and depressions with a thin layer of plastic clay or earth which packs very hard, so that the next rain, instead of finding ruts, depressions and clods in which to collect, runs off, leaving the surface but little affected.

The drag should be light and should be drawn over the road at an angle of about 45 degrees. The driver should



King Road Drag.

faster than a walk. One round trip, each trip staddling a wheel track, is usually sufficient to fill the ruts and smooth the surface. If necessary the road should be dragged after every bad spell of weather, when the soil is in proper condition to puddle well and still not adhere to the drag. If the road is very bad it may be dragged when very wet and again when it begins to dry out.

Crown of Earth Road. The slope or crown of an earth road should be about one inch to the foot. If the crown becomes too high it may be reduced by dragging toward the ditch instead of from it. If the drag cuts too much, shorten the hitch and change your position on the drag. If it is necessary to protect the face of the drag with a strip of iron, it should be placed flush with the edge of the drag and not projecting. A cutting edge should be avoided, as the main object in dragging is to smear the

Well-kept trees growing along the roadside contribute greatly to the pleasure and comfort of the travelers besides lending an attractive air to best effect the trees bordering the road should be uniform in size and shape and placed in a row parallel to the boundary fences.

damp soil into position.

Use Wood Ashes. Wood ashes make an excellent fer tilizer for use in the orchard and on the strawberry bed.

"I see that Cleveland has one of hose perfect babies now," said Mrs. Blight. "Perhaps if I had not been a perfect baby I would not always be casting gloom upon my enemies (1 have no friends), my surroundings and

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A Natural Consequence.

myself today. But when I was a

child, my parents, in their hygienic craze, fed me only sweet milk, etc.

And now that I have grown up, my

disposition craves the sour."

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in sickness of the

Stomach, in liver and

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It helps Nature pro-

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ter health at all times.

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Especially when preceded by little touches of Cuticura Ointment to red, rough, itching and pimply surfaces. Nothing better for the skin, scalp, hair and hands than these supercreamy emollients. Why not look your best as to your hair and skin? Sample each free by mail with book. Address postcard, Cuticura, Dept. XY,

Boston. Sold everywhere.-Adv.

Just as Good. "I wonder women don't want to play

"Why should they when they have bargain-counter rushes?'

There are nearly 14,000,000 Jews in the world.

Telephones transmit sounds at a

rate of 56,000 miles a second.

Children Cry for Fletcher's

CASTORIA

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What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic, all Teething Troubles and Diarrhoa. It regulates the Stomach and Bowels, assimilates the Food, giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

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In Use For Over 30 Years

The Kind You Have Always Bought THE CENTAUR COMPANY, NEW YORK CITY.

Chopping Him Off.

While Sandstorm Smith, the prominent Oklahoma cattle baron, who was recently in Kansas City, was sauntering through the lobby of his hotel, he was accosted by a suave and gimlet-eyed stranger.

"Pardon me, sir," said the latter, "but you look very much like a man and sent for our golf sticks and ten-I used to know."

"I do, har?" returned Sandstorm. "Well, you look a heck of a sight more like a man I don't know and never

want to!" To Keep Mosquitoes Away. For keeping the mosquitoes away, a

mixture of one ounce of cedar oil, two ounces of citronella, and two ounces spirits of camphor is recommended, and it is said that a few drops of this mixture on a cloth on the bed will keep mosquitoes in the distance and will be effective for a long time. If you don't like the fragrance you might put a clothespin on your nose.

Truly Bustonese.

Contrary to her custom, a Boston woman strayed far enough from home to encounter a mile post, on which she saw inscribed, "1 M. from Boston." Thinking it a gravestone, she read softly, "I'm from Boston," and then commented thoughtfully, "How simple and sufficient."-Lippincott's.

Nautical.

"Father," wired the young yachtsman, "please advance me some money, My hoat is entered in tomorrow's race and I'm sure she will win." And father replied: "Not with a time allowance from me."

Had Had the Experience. "Yes, we pay spot cash for every thing.

"Ah! I often speak to my husband about the time when he had to."-

The census bureau has estimated that the population of the United States passed the 100,000,000 mark on

Chicago, for a souvenir and the name of your Seminole dealer. Buy the 3 lb. Canister Can for \$1.00. -Adv.

Still, you doubtless have noticed that most of those who claim to be "as good as anybody" aren't.

Reason Enough.

"No, the people next door haven't

"Well, what in the world does that

"Oh, nothing much, only they bor-

rowed our trunk before they started

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the one, write the Denison Coffee Co.,

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'Been on your vacation yet?'

returned from their's yet."

have to do with it?"

nis rackets afterward."

Always sure to please, Red Cross Ball Blue. All grocers sell it. Adv.

A popular minister avoids touching the sore spots of his congregation.



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