

IE Sait River reclamation project in Arizona, the greatest ever undertaken by the government, involved the solution of problems of stupendous magnitude. Some of these concerned the building of the Roosevelt dam, which was opened recently by the former president, for whom it was named. In order to render the dam site accessible and to convey to it the vast amount of material needed the engineers were compelled to build a

# KANSAS FARM LANDS

Values Greatly Increased in Last Ten Years.

State Makes Very Favorable Showing in Agricultural Statistics Just Issued-Smaller Farms Have Diminished.

Topeka, Kan.-The United States ensus bureau has just issued the agricultural statistics for the state of Kanses, as collected at the thirteenth decennial census of last April. The figures are given out a year after the date when they were collected, but the time of the census bureau has been devoted principally to population statistics since the work of taking the census was completed.

Kansas makes a very favorable showing in the agricultural statistics as just issued. The total value of farm lands increased three-fold in the decennium from 1900 to 1910, or over with 41,663,000 in 1900, an increase of of white farmers during the decade \$1,000,000,000. Owing to the increase 1,598,000 acres, or 4 per cent. in population and the advances in irrightion, the farmed area increased in 1910 as amounting to 29,858,000 other nonwhite farmers to 185. during the period by four per cent. There are 4,000 more farmers in the state than ten years ago, more farms. more tenant farmers and more farm owners. The number of farm mort. Girls Deny New York Clergyman's Asgages is about the same, which does not mean that the farmers are no richer than ten years ago, but, on the contrary, that they have been increasing their holdings and placing improvements on their farms. Perdue to autos, but the number is probably not large.

During the ten years the number of college, it is asserted here. smaller farms, with the exception of truck patches, has diminished. Over spent less for farm fertilizers in 1910 tility of their farms and the use of barnyard fertilizers.

of crops and the yields will be made were "incompetent in the domestic later by Census Director Durand as arts, puffed up with a little super-

land alone, 188 per cent.; in the av- bear them out. erage value per acre of farm land done, 178 per cent.; in the total value cent; in the average value per acre of cent.; in the total expenditures for labor, 90 per cent.; in the total value of fildings alone, 79 per cent.; in the total value of all farm implements and machinery, 64 per cent.; in the per farm, 1 per cent.

The only decrease during the decade occurred in the total expenditures for

ertilizers, 73 per cent. The statement shows in detail that the number of farms reported in 1910 was 177,299, as compared with 173,098 mals recognize him half a mile away

The total value of farm lands, and buildings was given in 1910 as \$1,733. 653,000, as against \$643,653,000 in 1900, an increase of \$1,090,000,000, or 169

The total value of all farm land alone was reported in 1910 at \$1,534,in 1900, a gain of \$1,002,364,000, or 188 a rise of \$24,62, or 159 per cent.

the total value of farm buildings 000, as against \$111,465,000 in 1900. an increase of \$87,636,00, or 79 per

In 1910 the value of the farm land alone constituted 89 per cent. of the 175,618, or 99 per cent., operatotal value of land and buildings, as compared with 83 per cent. in 1900.

in 1910, as against \$29,491,000 in 1900, a gain of \$18,753,000, or 64 per cent.

sertion They Are "Puffed Up"-Forty Per Cent. Marry.

Philadelphia.-The New York clergyman who recently declared that only an infinitesimal percentage of the haps a few farm mortgages may be graduates of the big women's colleges were able to find husbands is refuted by the statistics issued by Bryn Mawr

Figures in the annual register of rumnae and former students show one-third of the farms of the state that 28.4 per cent of the entire gradare 175 acres and over. The number uate body, numbering 2,724, have marof negro and Indian farmers is de-ried, while of three classes graduating creasing. The farmers of the state since 1889 more than 50 per cent are married, and of seven other classes. than in 1900, but this is probably also since 1889, nearly 40 per cent. due to better conservation of the fer- have been wedded, a general average limited to German aviators, will take of about 40 per cent.

The New York clergyman declared Statements relative to the acreage that graduates of women's colleges' the tabulation of this data has not ficial knowledge and entirely too expensive a luxury for the average man The principal rates of increases in to undertake to support." This asser-Kansas in 1910 as compared to 1900 tion the Bryn Mawr girls indignantly are: In the total value of all farm deny and point to the statistics to

of farm land and buildings, 169 per DOG CATCHER USES AIRSHIP

farm land and buildings, 159 per Hopes With Aeropiane to Trap Stray Canines That Have Become Wary -Has Amassed Fortune.

Montclair, N. J .- David Steinfeld, who is official dog-catcher in ten towns total improved farm acreage, 19 per in Essex, Union and Morris counties cent.; in the total farm acreage, 4 per and who has amassed a small fortune cent; in the whole number of farms, from his work, announces that he has 2 per cent., and in the average acres awarded a contract for a small aeroplane and a large net for use in his work. He adds that he will try it on the stray and unlicensed dogs in Mont-

long in the three counties that the aniin 1960, an increase of 4,201, or 2 per and rush for shelter long before he gets within striking distance.

acres, as against 25,041,000 in 1900, an increase of 4,817,000 acres, or 19 per

The improved acreage formed 69 per cent. of the total acreage in 1910 and 60 per cent, in 1900.

The average acres per farm reported in 1910 were 244, as against 241 in 1900, an increase of three acres, or

The average value per acre of farm land and buildings in 1910 is stated 552,000, as compared with \$532,188,000 as \$40.07, as against \$15.45 in 1900,

The average value per acre of farm land alone in 1910, was reported as alone was given in 1910 at \$199,101, \$35.47, while in 1900 it was \$12.77, the amount of gain being \$22.70, or 178

Of the whole number, 177,299, of farms reported in 1910, there were ted by white farmers and 1,681, or 1 per cent., by negro and other non-The reported value of farm imple- white farmers, as compared with a ments and machinery was \$48,244,000 total of 173,098 in 1900, of which 171,-232, or 99 per cent., were conducted by white farmers, and 1,866, or 1 per The total acreage reported in 1910 cent., by negro and other nonwhite. was 43,261,000 acres, as compared The increase in the number of farms amounted to 4,386, and the decrease The improved acreage was returned in the number of farms of negro and

clair first.

Steinfeld has been hunting dogs so

CUPID BUSY AT BRYN MAWR | He has repainted his wagon, put on false wigs and whiskers and resorted to other expedients in his efforts to fool the unlicensed dogs, but without avail. Now he says he will try the aeroplane, soar a few feet above the ground, load his machine with fresh beef bones, and then, after all the dogs assemble beneath his machine, drop the net over them and alight and sep-

FLYING TESTS FOR BERLIN of the units, and make out two single will be controlled amount of milk. Some of the fat-

arate the licensed from the unlicensed

Airships Will Start and End Summer Competition at German Capital-

Limited to Germans.

Berlin.-A great flying competition. place early in the summer. The flight will be over a circuitous course beginning and ending in Berlin and will include Magdeburg, Hamburg, Bremen, Dusseldorf and Dessau. The decision to hold the contest is the result of the failure of plans for a joint competition by. French and German flyers. caused by the objections of the chau-

Withdrawal of the French aviators aroused much bitterness in Germany and the officials of the Aviation Engineers' Verein, who are in charge of the preparations, are on their mettle to make the independent competition a brilliant success. The contest has unique interest from the fact that special attention will be paid to the military phase of aviation. It is proposed to offer a special prize for machines carrying two passengers, so as to admit of their taking military observations.

Zeppelin to Carry Passengers. Dusseldorf, Rhenish Prussia.-Count Zeppelin's dirigible balloor Deutschland II arrived today from Frankfort-on-the-Main and will be stationed here permanently to carry out the contract with the municipality for passenger flights.

inch by 6-inch by 13 feet, giving about This will carry hay fork or sling.

RECORD LAMBS' PEDIGREE

Far More Satisfactory and Businesslike to Keep Numbers in Black and White Than to Rely on,

Glib Tongue of Sheep Breeder.

The writer visited a pure bred flock | best advantage, yet it not infrequent-

not long ago where the lambs were ly proves quite a little confusing and

not marked and where the owner re- one ought to take a sheet of paper; lied on his memory alone to tell him and make a drawing of each number

the pedigree of each lamb. This par- he wants to represent before he

ticular flock was small and the own- makes any notches. Then if as he er's memory above the average; he numbers each lamb he writes down

did appear to really know his lambs; the name or number of the ewe after but for the most part it is obvious the proper illustration, he can com-

that a written record is a great deal plete this record simply by adding

more reliable proof of pedigree, says a the name of the sire, and the date

writer in the Farm, Stock and Home, of the lamb's birth. Such informa-

It is a mistake for anyone handling tion copied and filed neatly away

pure-breeds not to number his lambs will prove very valuable to him. It

cates 1 unit. One notch in bottom of aceous or starchy foods. These go to

left ear indicates 1 ten; 1 notch in fat. The other is the protein foods.

tip of left ear indicates 1 hundred: 1 These go to make milk, eggs and

notch in top of right ear indicates 3 meat. The protein foods are tissue

conceived as consisting of five single still other elements and be converted

units. While it seems a simple mat- into meat while the protein may be

STRENGTH OF GAMBREL ROOF

34-0

A gambrel roof will be sufficiently | a 7-foot rise and put in a 2 by 8

strong for a barn 34 feet wide. Use inch plank for ridge. Use a 1 by 8-2-inch by 6-inch by 14 feet for first inch board and spike on at hip as

rafter. From plate to hip of this raft- shown in plan, at each side of rafter.

er is 12 feet 6 inches. This rises 11 You can get two pieces out of a 1 by

feet above plate and drops in 6 feet. 8-inch by 14 foot board. This will

This leaves a span 22 feet. Use a 2- run about 4 feet each way from hip.

ter to make the numbers up to the converted partly into fat.

No Word in Agricultural Etymol ogy Is So Often Encountered

and Most Frequently Used

in Articles on Food.

(By CHARLES C. WENTZLER.)

is so often encountered as protein.

is just an empty, technical phrase.

countered in articles on feeding.

classes of foods. One is the carbon-

goes to fat rather than to milk. There

is some protein in corn but not

enough. On the other hand it would

not be advisable to feed a cow food

like alfalfa, whose content is practic-

ally all protein. To begin with fat is

siderable fat and sugar in milk.

rest passes out of the system.

about the same as albumen.

No word in agricultural etymology

To a person not versed in farm

white in a book than if it were re-

tainly more satisfying. One would memory.

feel much more certain of a lamb's

pedigree if he saw it in black and

lated by the glib tongue of the owner.

simplest method of marking is that

of notching the ear. Metal ear tags

for the most part have the habit of

pulling out, in which case their effi-

ciency can be valued as nil, but the

notch if made with the right sort of

instrument is there to stay. When

made with a round ear punch, the

two sides of the notch sometimes

grow together but when made with a

tug punch, the opening in which is

nearly an inch long and about a quar-

ter or three-eighths of an inch wide,

In notching some arbitrary value

must be placed upon a notch placed

in a given position in each ear. Ex-

perience has shown that any number

can be most easily made when the

One notch in top of left ear indi-

indicates 3 tens; 1 notch in tip of

Suppose, now, that one wanted

unit. The notching would then be as

Method of Making No. 17.

Or if one wanted to represent 135

which consists of 1 hundred, 3 tens

and 5 units, he would use the follow-

to use as few notches as possible;

right ear indicates 3 hundreds.

help to make this clearer.

units; 1 notch in bottom of right ear builders.

following values are used:

they are there to stav.

About the surest as well as the

Shade May Be Provided for Swine

(By WILLIAM F. PURDUE.)

test weather. Sometimes where there are but few

furnish them shade of some kind and requires about one pint of parafin and have abolished the dirty wallow holes. Shelter is also needed at certain a year.

times. There are always a few wet and cold spells every summer when the pigs will suffer if they don't have IN HOT WEATHER the pigs will suffer if they don't have good shelter and they can easily get a set back during a cold rain that will take them a long time to recover

When to Spray.

can be determined only by watching the fruit buds and weather. The first application should be made before the irst rain after the blossom buds have been exposed, but before they have opened; the second after two-thirds of the petals have fallen, being sure to get the mixture on ahead of the rain; and the third about two weeks later Watch the fruit buds and the weather.

Paraffin Killed Wooly Lice. An English fruit grower declares that he has been able to preserve his apple trees from the woolly aphis by scraping off the loose bark and applyand provide artificial shade. But, I ing a thin coat of paraffin. Each tree

IN PRACTICAL MANNER THE NATURALIST

By LAWRENCE ALFRED CLAY

Miss Gertrude Ainsley put on her | and animals in this locality." hat that sunny spring day and walked Then there followed a "sincerely," down the road and over the creek and and the name "Carroll Denton." maples; the spice-bush gave out its boy. and keep a record of them. It is more will be a great deal more indisputable find a rabbit caught by the leg in a got an awful temper on him."

businesslike, to say the least, and cer- than would a statement made from Poor Bunny was having a hard time room four or five minutes, and then as the girl approached. He bounded man. It read: this way and that and into the air, but the snare held and he cried and villain!" whimpered and feared for his life. claim that it was a burning shame, were lacking. the captive huddled down and stared was stroking it with her hand when a had happened she said: boy of twelve came running to shout: snare for him last night!"

Gertrude gave him a push and de- lain." manded:

chemistry the term is more or less confusing and to many others it has "What business have you snaring no meaning at all. To such people it the poor creatures!"

The word is most frequently en-Why any one can catch rabbits any time they want to! He's a daisy, and Protein is the opposite of fat. It is the fellow will pay fifty cents for him. Gee, but I'm in luck!" In feeding we have two principal

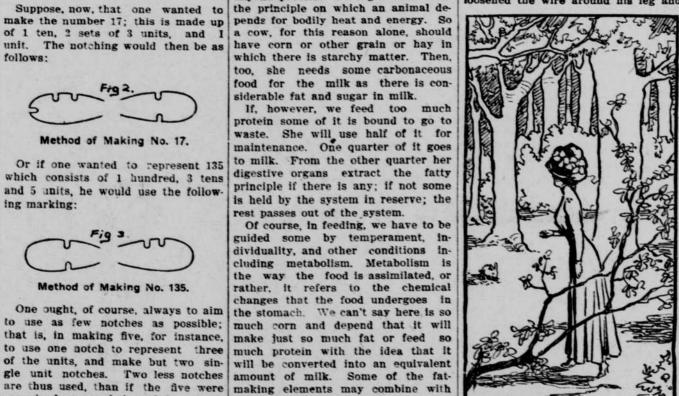
"What fellow, as you call him?" "He's at the tavern. We wants me birds I can."

"Then he's a villain!" "He don't look like one."

In balancing rations we have to see, therefore, that the animal does poor innocent things as rabbits is a had snared no victims. The accompanying illustration may not get too much of one kind of food. villain, and you can tell him I said In feeding a cow, for instance, we cannot feed her corn alone as this

"I will, when I carry this to him." "But you won't carry it! You keep hands off! It shall have its liberty!" "If you let my rabbit go-!" blus-

tered the lad. Miss Gertrude picked up Bunny, loosened the wire around his leg and



Poor Bunny Was Having a Hard

Time of It. watched while he disappeared in the bushes. Then she said to the boy:

"You call at the house in about two hours and I'll give you the fifty cents, but if I hear of you catching another rabbit, or if you capture a bird of any sort I'll make you trail." trouble!'

"Maybe you own the earth!" called the lad after he was thirty feet away. You can't be the-the villain!" "You can tell that villain I do!"

for home. Just as she left the woods was a naturalist, and he wanted his she passed a young man entering specimens alive and sound that he them. He was well dressed and a might study their habits. He was raised his hat and his deferential bow relative for a few days, probably, and ply: out for a stroll, the same as she had

That evening the boy called at the Certrude answered it. It read:

"Miss Ainsley: Your conduct this Efternoon in the brow-beating a young employe of mine is simply reprehensible. The terms in which you charpointed the legal guardian of the birds | New York Herald.

up into the woods on the hill. There "The villain! How dare he!" exwere stately elms and beeches and claimed the girl as she looked at the

scent; there were violets under foot "He's an awful fellow," was the everywhere, and the robins and blue- reply. "When I told him how you birds seemed to welcome an intruder. bluffed me out of the rabbit up there There were paths running here and he just gnashed his teeth. He only there, and as the girl took one of them wanted five rabbits at first, but now she heard a queer sound from the he says he'll catch a hundred. He's brush on her right, and investigated to cross-eyed and red-headed, and he's

of it, and it frightened him the more returned with a reply for the awful

"Sir: I reiterate that you are a

Miss Gertrude was absent from the

That was all. No "sincerely,"-no When the girl had come closer and "respectfully"-no "your very ob't began to call him poor thing and ex- servant." Even the initials "G. A."

Mr. Ainsley was away from home, at her with his great big eyes. She and when the mother learned what "You were always that way from

"He's mine! He's mine! I set the a child, and you can't help it, I suppose, but I hope you won't carry it Up he came, and was about to lift too far in this case. Calling a man a the rabbit in his arms when Miss villain is slander, unless he is a vil-

"But of course he is!" was the reply. "Would any one but a villain hire a boy to murder a poor rabbit? "Business!" he repeated. If he catches a robin, a blue-bird or a quail I'll-I'll-!"

Miss Gertrude clenched her hands and breathed hard and left it to be understood that something very terrible would happen to the cross-eyed and red-headed man. Next morning to catch all the rabbits and quails and she went up to the woods again. She went in the forenoon because she suspected that hov would set snares over night and visit them early. She walked "I don't care how he looks! Any the paths and found four, and the man that will hire a boy to trap such wires were thrown far away. They

As she was on her way home she met the young man of the day before. She looked at him more closely this time, and she liked his appearance. Surely he was a gentleman. The boy was not seen until mid-afternoon. Then he brought another note, and as he delivered it he said;

"I was lying up there in a brushheap this forenoon when you destroyed the snares, and oh, wasn't the awful man awful mad when I told him of

And the note read:

"Miss Ainsley: I must again politely request that you cease to meddle with my affairs."

The same name was signed as to the other, but the "sincerely" was lacking. Carroll Denton was no longer sincere. He was grumpy. A reply was sent as promptly as be-

fore. It consisted of a few stirring

"And I must repeat that you are a villain!"

It was afternoon of the next day when Miss Gertrude went up to the woods again. Almost at once she beheld a robin with a broken wing fluttering about. She had picked it up and seated herself on a log and was crying over it when a soft voice at her elbow said:

"Please give it to me. I thing I can do something for it."

It was the young man. He took the bird, made a brief examination and said

"The wing is broken, but I can use splints and make it sound again after a bit. Nature is very kind to animals and birds. Hope that old maid won't hear of this. She'll say I used a club

on the bird and call me more villains." "What old maid?" was asked, forgetting that she was facing a stranger. "A Miss Ainsley. She's close on my

"Why-why, I am the only Miss Ainsley, and I am not an old maid.

Then of course it came out. The She hunted for other snares, and boy had lied for revenge. There was she found three and destroyed them. no old maid, and there was no cross-After a couple of hours she started eyed, red-headed man. Mr. Denton stranger, and the manner in which he merciful to a degree. Miss Gertrude heard his explanations with blushing told her that he lived in the city. He cheeks and downcast eyes, and at the was staying in the village with some end she was generous enough to re-

"Well, that makes a difference." And it did. The naturalist found his way to the house to tell her how the house. His fifty cents was ready, but robin was getting along, and the day he would not accept it. He brought a the bird flew away on the restored note to be delivered and he sat down wing he said to himself that he had with a grin on his face while Miss discovered a "specimen" worth all others put together.

Without Naming Names.

An alienist says that one out of every 279 residents of this city is inacterized me are no less so. I have sane. And each of the 279 is absoyet to learn that you have been ap- lutely certain he knows which one .-

## PROFIT IN "BATTLE RELICS"

Greater Part of Mementoes Said to as single bullets and minie balls are Have Been Four on World's Great Fighting Fields Are Spurious.

A careful observer who has visited many of the world's great battlefields declares that the greater part of the mementoes, of which there seems to be an inexhaustible supply, are wholly spurious; but so well are they simulated that the average visitor is content. Pieces of shell are made by casting hollow spheres and cracking them with a sledge. The fragments are then treated to a bath of diluted nitric acid and allowed to gather rust in the open air.

The appearance of verdigris is easily procured, when desired, by the use of copper in solution. The writer was shown several basketfuls of pieces of shell, all of which seem to be at least 30 or 40 years old. The acid has slightly honeycombed the edges and they coked exactly as if corroded by long

made with the greatest ease in an ordinary mold. They are dented with a small hammer and given the requisite discoloration by remaining for a few days in a bucket of lime. The more elaborate relics, such as sword belts. spurs, pieces of harness, bayonets, canteens and so on, are turned out by individual workmen, who make a good profit out of the business.

Easily Spared.

A German in a sleeping car was unable to rest on account of the snoring of fellow travelers on each side of him. Finally one of them gave a vociferous snort and stopped still. "Tanks!" exclaimed the wakeful German, "von is det!"-The Housekeeper.

"You say she did well?" "Yes, she was engaged to a spendurial beneath the soil. Such triffes thrift but married a millionaira.

### TRAMP RESCUES HUNGRY DOG

Thousands of Well-Dressed and Evi- too dirty and bedraggled to entitle him dently Well-Fed Pedestrians Pass by Soulful-Eyed Canine.

had a lean and bungry look, and until as he looked up at the muddy sky and a playful wind blew him off his "pins," down at the muddy street, and there West Madison street pedestrians jocularly referred to him as "Romeo with ment in either, for he closed his eyes. the soulful eyes."

naws limply hanging over the curbing suffering martyr or hero or something. s crowd gathered round him and "Rofood in the form of ham and beef head rest against the tattered coat of andwickes bought at a nearby res-

Whatever Romeo's thoughts were, everyday dog language, and the crowd stood looking after them. and forth and the cadaverous jaws ed, while the ham and beef sandwas too far some to eat. Romeo was she made such capital apple plea.

to the respect of any Godfearing or otherwise deserving pedestrian. Romee was too weak to make use of his Chicago -Like "you Cassius" he skinny legs. Romeo's eyes blinked didn't appear to be much encourage-No one ventured to soothe his poor When he lay in the street, with his feelings, and Romeo might have died a and his bony ribs advantageously dis- if a man whose appearance was not played through his muddy white skin, greatly different from the starving bound, had not come along and picked mee with the souiful eyes" was given him up. As it was, Romeo let his his unshaven benefactor, and in some manner gave vent to vibratory gladness by means of his tail. The man he was too weak to utter them, even and the dog went away, while the

A wealthy Yonkers (N. Y.) man has just married his housekeeper because

BIGGEST SHERIFF IN WORLD

He is 6 Feet 7 Inches Tall and Weighs About 440 Pounds-More Popular as "Big King."

Atlanta, Ga.-Certainly not the least among the city's prominent guests last week was W. B. King of Anderson, S. C., widely known as the largest sheriff in the world. Looming 6 feet 7 inches in the air, tipping the beam at the 440 mark, he was mak ing big fellow delegates look like Lil liputians, and even the bulk of the nation's chief executive sank into insignificance beside the embodiment of the majesty of Carolina law.

Up in Anderson the sheriff is famili arly known as "Big King" to every body, and he accepts his nickname with a ready good nature which has made him the friend of all. That his constituents do not think his size affects his ability as sheriff is shown by the majorities which he always receives at election time.

Mr. King visits his friends here sev eral times each year.

**SHELTERING HOGS** 

by Turning Them Into Wood Pasture or Orchards, or by Erecting Shed

pigs by turning them into a wood pasture or the orchards or by constructing a shed. This is done by setting some posts to support a roof of rough boards. The pigs seldom hurt the orchard if they don't run in it more than a month or two during the hot-

trees in the orchard it is not best to let the pigs run there too long as they may kill some of the trees by rubbing and gnawing them off. If they start at this I turn them out

The proper time to spray fruit trees