

HOW HEN LICE BREED. No bird or animal is tormented with shelled corn .- American Cultivator lice more than the domestic hen, yet she takes greater care of herself than any other living creature, as she makes her toilet daily, arranging every feather and resorting to every method to rid herself of the pests, which efforts would be successful if she could control the conditions for farms in Ohio began to decline about breeding lice. Those who build poul- 30 years ago, and the next census try-houses seek to save as much of the cost as possible, and by so doing in the state at a very rapid rate. they are liable to leave so many hiding places for lice that it is almost impossible to reach them except with grains. They tell the story of reduced tedious and patient labor. If the walls soils better than anything else. Be of poultry-houses were plastered, the sides this, farmers in Ohio are paysmooth surface presented would great- ing out more than \$2,000,000 a year ly facilitate the keeping of the nouse clear of lice, but plastered walls are true of Ohio is true of parts of Inmore expensive than rough boards, diana and southern Illinois. Under and will not be generally adopted. Lice breed in the hiding places that way under the sun to keep up our can only be reached with liquids, so soils, without buying fertilizers, or by that everything in the house must be | feeding the crops grown upon the completely saturated in order to de- farm. The growing of cow peas in stroy them; they also breed in the southern Illinois and feeding more nests and in the droppings. The red live stock is helping matters there. mites go from the roosts to the hen, And since the alarm has been soundand she clears them off with the dust ed thousands of farmers are turning bath, only to be supplied from the their fields to clover and alfalfa and house when she goes on the roost are filling up their pastures again again. The large gray lice breed on with live stock .-- Indiana Farmer. the bodies of the hens, and are never found in the poultry-house. They are difficult for the hen to remove, as they cling tenaciously to the skin of the head and neck. Any kind of grease, however, will destroy them, lard oil being excellent. Recently, the use of insecticides for spraying trees has grown so rank as the bottom fields, brought to notice the kerosene emul- and on account of the lighter crop sion as a remedy for lice, but there it is handled better and cured out is nothing that will serve so well to nicer. A very sensible stockman tells apply the emulsion as the sprayer, which projects a spray as fine as dew, kind for his young stock, and he uses and which can be made to spread ov. extra care to cut it at just the right er every square inch of surface. If stage, and cure it nice and green, there are holes or crevices around This hay is not to woody as the posts, where the boards are nailed on, heavier growth, and it is not near so pure kerosene may be poured around apt to mould or become musty. Young them out of an oil can, and for the animals need something during the roosts use also the unadultered kero- winter to tempt them, and nothing sene. Now is the season for lice, and will do it like nice, sweet-smelling there is plenty to do to keep them clover hay when the leaves and not down .-- Weekly Witness.

SEEDLING APPLES OF MAINE. "The Seedling Apples of Maine," is Farmer. just being sent out. The purpose of this bulletin is to call attention, to those varieties of Maine origin which are worthy of wider dissemination: and to record, as accurately as pos- the production of high-grade milk: sible, the history of such varieties. Clean stables, a healthy herd and While Baldwin, Greening, and other careful, cleanly men. His cows are standard varieties, mostly of New always fed after milking. Just be-England origin, will doubtless remain fore the milking they are brushed for many years the leading market and the floor and walls of the stable

cents per bushel. The corn meal produced a somewhat quicker maturity than whole corn. The pigs eat more of the meal and make somewhat larger daily gains. It is suggested that corn meal could be used to good advantage in finishing off a lot of hogs which were at first fed

DON'T SELL THE GRAIN.

The experience of farmers in Ohio, Indiana and sections of Illinois should emphasize the importance of keeping stock on our farms in order to keep up soil fertility. It is stated that showed that live stock was declining What has been the result? Look at the yields of wheat and other small for commercial fertilizers. What is our system of cropping there is no

HAY FOR YOUNG STOCK.

On most farms there is usually a field that will produce the finest quality of hay. Frequently this is an upland piece of clover, which has not me he always saves a crop of this big coarse stems, form the bulk of

the crop. Just for the calves' sake, take some extra pains in laying in Bulletin 143 of the Maine station, the winter store of clover .- Indian

HOW TO GET CLEAN MILK.

A New York producer of certified milk gives these requirements for sorts, new and valuable sorts are con- are sprayed. A man with warm water

IS MARS INHABITED?

SPECULATION REVIVED BY AN the wide ones have been recorded. ASTRONOMICAL OCCURRENCE.

Better Reasons For Believing it is the Home of intelligent Beings Than Exists With Reference to Mercury, any evidence of duplication has been Venus, Jupiter and Saturn.

Of the eight planets which go cir- these lines is obtained, however, light cling around the sun Mars is in some on their genuineness now seem to be respects the most interesting. It is assured. The full report of the phovery small, having a diameter not tographers will be awaited with eagermore than half as great as the earth's ness. and only twice that of the moon. However, while the case is far from being proved, there is better reason to suspect that it is the home of intelli. In Western Kansas They Are Exgent beings, not very different from man, than can be presented for holding such a theory regarding any other being rated as an article of commerce member of the sun's family except, of or as a medium of exchange in the course, the earth. Next to nothing same manner as eggs and butter? Out can be seen on the surface of Mercury in Trego County, Kan, the country and Venus. Jupiter and Saturn have seat of which is Wakeeney, the mertheir curious belts and other mark. chants pay five cents each for rabbit ings, but astrologers fancy that those scalps, no matter whether the unfortwo bodies are yet too hot to sustain tunate "bunny" was full grown or not. Neptune and Uranus are not W. J. Williams, who is the proprietor life. only far away but afford no sign on of a grocery store in Wakeeney, bought which any safe judgment can be 2,840 scalps during the months of Now, the orbit of Mars lies March, April and May this year. John based. next outside that of the earth, and Keraus, another merchant of the same the planet is a next door neighbor, so place, bought 2,700 scalps, while no to speak. In the next place, teles- merchant in the little town paid for copic examination reveals many cur- less than 500 scalps.

lous features which cannot be discov- The farmers and punchmen bring ered on the other planets. In some rabbit scalps to the county stores along measure, no doubt, this is because with eggs and butter. The grocer acsuch atmosphere as exists on Mars- cepts and counts them with no more and there seems to be a little-is prac- ado than if they were so many eggs. tically unclouded. The differences in A few years ago Trego County, in color are largely explained now on the the hope of exterminating the troubletheory that some surfaces represent some jackrabbits, decided to pay a vegetation, while others represent bounty of five cents for rabbit scalps, bare rock or sandy desert. It ought the money to be paid whenever the to be added that the boundaries of ad- scalps were presented at the County jacent tracts are often faint and are Treasurer's office. Soon after men indicated by only feeble changes of who had never before been seen in tint. In drawing their charts of Mars. Wakeeney came to the Court House astronomers unconsciously exaggerate with big sacks of scalps. Finally the these contrasts, which are often noth- County Commissioners grew suspicious ing more than a shading from golden and it eventually developed that certo pink or brown or violet, or from one tain residents of neighboring counto some other out of a dozen grays. ties were taking advantage of Trego's It repeatedly happens, too, that a tint bounty law and were bringing scalps noticed in a particular locality at one from as far away as fifty miles.

opposition is not always the same two To discourage this practice the county decided to allow payment for scalps not more often than every three It remains now to describe a special months. Three months was a long class of markings the nature of which time to wait. The hunters became imis still a mystery. There are gravish patient at the long delay. It remained lines, usually narrow and straight, but for the merchants to solve the difficulsome having a greater breadth and ty. Accordingly it was announced curious crooks. Most of them traverse through the columns of the weekly the yellowish part of the Martian surface, but it has been observed within papers that rabbit scalps would be taken at the grocery stores in exthe last ten or twelve years that a change for merchandise, provided the few extend into the gray regions. R is this last mentioned circumstance, owner of the scalps would give his word that they were taken from rabchiefly, which shook faith in the notion that the so-called seas were bodies bits killed in Trego County

The plan proved a success. Inof water. By far the most conspicuous of the markings looks like an ele. stead of the farmers making a weekly phant's trunk or the tapering outlet trip to the Court House the merchants reported every three months at the commissioners' office and the bills

RABBIT SCALPS IN TRADE.

changed for Groceries.



-Week's cleverest cartoon by Triggs, in the New York Press

ALTON B. PARKER ASSAILS CENTRALIZATION

Says the Constitution Specifically Defines How Far Government Can Go-At American Bar Convention Judge Tells of Attempt to "Despoil States."

Portland, Me .- At the thirtieth annual meeting of the American Bar Association President Alton B. Parker, of New York, was loudly applauded as he arose to make his annual address. He assailed the centralization theories. Speaking of the activity along the line of regulating corporations, he said in part:

"Now, he who surveys the action of the legislative and executive departments of the State governments during the last few months cannot with truth say that they have been inactive during this period. Nor can he say that the Federal Government has been more active or more drastic in its action than have the States.

"Officials and others have suggest- | of cavil that the National Government ed various schemes having for their is limited to the powers specified in object the bringing of railroads, other the Constitution creating it, reads: corporations and interests under the 'The powers not delegated to the exclusive control of the Federal Gov- United States by the Constitution, ernment. To that end national incor-poration has been proposed, as has are reserved to the States respective. also a Federal license system. ly or to the people.' Other powers "The object which their advocates have since been granted, and in the have in view is undoubtedly laudable. | future still others may be given, but But that is not enough, if in the ex- the Constitution as it now stands forecution of their plans they violate the bids the exercise of any powers other Federal Constitution and directly than those granted by it. It leaves lead toward the destruction of our no room for finding in the language dual government. of the Constitution a claim that there "Every power with which it was are certain unmentioned and inherent deemed necessary to endow the Na- powers which the Federal Govern-

said to be wholly or practically ex. Farmer's Guide. tinct; though at one time of considerable importance. An effort is being made at the station to collect in a owners of valuable seedling apples are in any way disturbs her-loud talkfruit for examination.

CRUSHED OATS FOR HORSES. Australian horsemen are divided as this is surely not favorable to econto the propriety of crushing oats for omic milk production .- Weekly Wit horses. The reason advanced in sup- ness. porting crushed oats is that they are more thoroughly digested than whole oats. That, however, it is said, is not the reason which mainly influences the farmer. He finds that when warship, the Indomitable, launched at his horse-feed is crushed the germin. Glasgow the other day," writes a corating power of the wild pats which respondent, "I could not help wonmay be mixed with it is destroyed, dering what our forefathers of a cenand thus his paddocks are kept clean tury ago would have thought of her. longer than would be the case if the In 1800 a leading naval authority oats were not crushed. As a matter wrote: 'The size of our ships seems of fact the crushing of oats does not now to have reached its ultimatum. increase or promote their digestibility. * * * The French, indeed, have lat-The molar teeth of horses possess terly built a ship of most extraordigreat grinding or crushing powers and nary size, 172 feet keel, 55 feet 9 17 masticate whole oats in a thorough this marine monster of 1800, whose and complete manner. Crushed oats size made her so unwieldly that 'she require less grinding on the part of hath never been out of harbor,' was the horse than whole oats, and the but a third as long as our latest former for feeding to animals that cruiser, little more than two-thirds the are troubled are therefore more suit- width, and a sixth of the tonnage-fn able than the latter with their teeth. fact, she was relatively so small that Men with long experience of horses she might easily, one would think, have generally hold the faith that crushed been carried on the Indomitable's deck. oats are not so suitable as whole oats Although a fifty-acre forest had profor horses that are required to be in vided her timbers, and it had taken hard condition and to do work at a 200 shipwrights a year to build her, fast pace .-- Indiana Times.

CORN OR CORN MEAL FOR HOGS. minster Gazette. A careful line of experiments has

just been completed at the Wisconsin Station to decide on the relative value

tinually appearing, and these will be and towels then washes the sides and most likely to excel near their native udders of the cattle. A second man home, or in their native State. The repeats the operation, after which wholesale injury to orchards by the the cows are milked into cans cov-"cold of the past few years is also an ered with sterilized cheese cloth covincentive to search out the merits of ers and the milk immediately renative hardy varieties. Among the moved from the stable to the cooling most valuable of the thirty-eight na- room, after which it is bottled. This tive sorts mentioned in the bulletin, dairyman gets twelve cents a quart are Deane, Dudley, King Sweet, Rolfe, for his milk and is thus well paid Starkey and Stowe. Some of those for the extra care and expense indescribed in pomological manuals are volved in its sanitary production .--

KEEP THE COW QUIET.

Above all things a cow should be "Maine Orchard" such native seed- kept in a quiet, contented frame of lings as seen to merit attention, and mind. Anything and everything that requested to forward specimens of the 'eg, a stranger in the stable, milking by a new hand-any and all of these have a tendency to diminish the milk yield and anything that does

Marine Monster of 1800.

"When I saw our latest leviathan horse whose teeth are in inches by the beam, tonnage about 2,normal condition is perfect- 850 tons; but she is pronounced to well able to chew or be entirely unfit for service.' And yet her total cost was less than one-tenth that of her successor of today."-West

A Florida Shark Story.

A tarpon pursued by a sbark acar of shelled corn and corn meal for Garden Key in one of its tremendous fattening pigs. It was found that leaps fell across a skiff containing the corn meal was something bet- two fishermen who were so busily enter, not always enough better as a gaged with a net that they did not fattening food to pay for cost of grind- notice its approach. The skiff broke ing. The higher the price of corn, in two, the fishermen became entangthe greater the saving through grind- led in the net and the shark took a ing, since cost of grinding becomes huge bite out of the side of one of smaller relatively as the price of grain them. Belton Larkin, cutting his body advances. Thus, with corn at twenty- nearly in two. It is thought the shark five cents a bushel, the saving from mistook Larkin's body for the tarpon grinding was only 1 1-2 cents, but it was in pursuit of, for sharks in the corn at seventy-five cents a bushel these waters have never been known the saving from grinding was 4 1-2 to attack a man -- Punta Gorda Herald.

ipe of a balloon. This named "Nilosyritis," is about one hundred and forty miles wide most of the way. The were allowed. majority of the others range from thirty to seventy miles in width. A few of the large streaks were observed by Dawes, Proctor and other astronomers between 1864 and 1875. On the supposition that they might three months .- Kansas City Star. indicate streams of water they were sometimes called canals. An Italian, Schiaparelli (pronounced Skee-ap-arelly) devoted special study to them at the oppositions of 1877, 1879 and Prof. Silvanus P. Thompson, continu-1880.'81, and he added many new lines ing his course of addresses upon (mostly fine ones) to the previously existing lines. It is one of his charts umbrellas of modern make were very (twenty years or more old) which is magnetic. A person standing ouiside here reproduced. Much detailed information about these lines was given to holding such an umbrella would see the world by Schiaparelli, and in 1884 the needles of the compass begin to he made the startling announcement that occasionally the canals were doubled. Up to the present time at now as formerly. At one time, before least 300 or 400 canals have been re- the opening of the Suez Canal, such

years later.

they are not all visible at once. Various interpretations have been put on these wonderful lines. Schlaparelli, Flammarion and others once inclined to believe that they were artificial channels, containing water, though the distinguished Italian afterward remarked that he was doubtful, and hence used the word "canal" merely from habit and convenience. The absurdity of canals from thirty to and Naples, dating in manufacture to one hundred and fifty miles wide discredited the theory, too, for a while. A Boston astronomer, Percival Lowell, however, hit upon a more plausible notion. He fancied, and now confidently believes, that these gravish black markings which come and go. indicate vegetation made possible by irrigation. He thinks that the belts represent foliage, but that the foliage is made possible only by an elaborate system of small channels, radiating from a trunk canal which is itself invisible. The changes in distinctness which Schlaparelli noted, Lowell explains by the succession of seasons which shut off and restore the water supply. The lines, it is admitted, are from head to foot for a second or more clearly visible in spring and summer than in winter. Mr. Lowell and reproach, he exclaimed: is a firm believer, also, in the genuineness of the reputed doubling of the go so far, and prefer to express no can't tell apples from gooseberries!" opinion on the nature of the lines. A Chuma. few are outspoken on their skepticism about the existence of the finer ones and the phenomenon of doubling, regarding most of the stories on the

subject a sthe result of some sort of optical delusion. To get around any suggestion of that sort, Mr. Lowell undertook to photograph Mars two years ago at his private observatory in Arizona. This year he sent a party to South Amer-

ica with a powerful camera on a similar mission. A few days ago he re- houses built within five years ceived a telegram reporting that some- amounts to \$146 annually for each thing of the sort had already been person living in them.

During the months of March, April and May the total amount of bills allowed by the commissioners for rabbit scalps was \$568. In other words Trego County killed 3.300 rabbits during the

Magnetic Umbrellas,

At the Royal Institution recently "Studies in Magnetism," said that most the shop window of an optician and move. Not so many of the old horseshoe or Sheffield magnets were made ported by various observers, though magnets were in great definand by tea dealers, who used them to rake about with in chests of tea with the object of extracting any odd spieces of iron

which the "heathen Chinee" might have put in to make up the weight. Bricks, especially of the red variety. were magnetic, and very retentive of their magnetism. Magnetic qualities had been found in some Etruscan vases from Pompeil, Florence, Rome about 800 B. C .- Engineer,

Beaten.

An old Irishman who kept a fruit stall had some watermelons given tohim by a friendly dealer and exposed them for sale among his other goods. A smart American student who was touring the Emerald Isle, wishing to try his wit on the old man, took up one of the melons and said:

"These are small apples you grow over here, my friend. In America we have them at least twice the size." The Irishman slowly removed the pipe he was smoking from between his lips and coolly surveyed the speaker two. Then, in a tone of mingled pity

"Shure, sorr, you must be a stranger in Ireland and know very little about lines. Many astronomers hesitate to the fruit av our country, whin you

> "Was the deceased in the habit of taking any drugs?" asked an English coroner of the witness. "Oh, yes," said the witness." "What drug did he take?" asked the Coroner. "Oh, replied the witness, surprised, thought you said 'grub.' '

The average rent paid for New York city tenements and apartment-

tional Government was given to it ment may exercise. and in the exercise of these it was made supreme. To prevent any pos-sible assertion by the National Gov- States of the powers and functions ernment of inherent powers, those belonging to them will not tend to assigned to it were carefully and ex- smoothness in the working of our pressly enumerated

"The attempts on the part of the States of the powers and functions dual schem. of government. Already

"But to avoid even the possibility it has had its effect. The indignation of a contrary claim, the Constitution of the governing forces of many of the States is already aroused. It is was at once amended by the addition of ten articles-every one of which shown in the legislation of the year. operated as a restraint upon the Na- It had not a little to do, in my judgtional Government. The last one, es- ment, with the recent conflict of juditablishing beyond even the possibility | cial authority in North Carolina.

NOW THE BRITON MAY LEGALLY WED DEAD WIFE'S SISTER

Famous Bill Becomes a Law After Centuries of Legislation --- House of Lords Always Objected Until King Edward Came to the Rescue.

London .--- Marriage with a deceased wife's sister has finally become legalized in Great Britain

The House of Lords, by a vote of 98 to 54, passed the oft-defeated bill at its third reading, thereby making such marriages legal.

Throughout the battle in the House of Lords the opposition was headed by Lord Salisbury's relatives, the Cecils. Both Sir Hugh and Robert Cecil used every trick known to parliamentary procedure to prevent a vote from being reached.

The law relieves the matrimonial difficulties of a number of English peers, retrospectively legitimatizing their, children.

These marriages, though lawful in 1 in 1847 to examine the marriage the colonies, were void in England. | laws, and from 1849 up to the present. The whole country rejoices in the attempts were made, both in the passage of the bill into law. House of Lords and the House of King Edward notified the Lords Commons, to pass the bill.

that he thought the bill should pass, and this had much to do with its going through.

The passage of the Deceased Wife's Sister's bill ends a remarkable legislative struggle, dating back to the early history of the church.

Previous to 1533 marriages of consanguinity and affinity were wholly govered by canon law and such marvoid gards marriage with a deceased wife's sister, but afterward accepted it.

A royal commission was appointed law.

Belmont and Ryan Fall Out.

Friends of August Belmont and Thomas F. Ryan practically admitted there was a grave breach between the two financiers, and an effort by the Belmont interest in the Interborough-Metropolitan to throw the Met- curred, and they were smothered to ropolitan Street Railway system of ew York City back on Mr. Ryan's hands was predicted.

Money Market Relief.

Secretary of the Treasury Cortelmarket relief.

As a rule the Commons have carried the bill by a large majority, but it has been thrown out by the Lords. through the aggressive opposition of the bishops and a few ultra-ecclesiastical lay peers, although King Edward, when Prince of Wales, set the example of voting for it.

On August 20 last, after prolonged and animated debate the House of riages from 1533 to 1835 were void- Lords, by 111 to 79 votes, passed the able. In the latter year the Lynd- second reading of the Deceased Wife's hurst act made past marriages of af- | Sister's bill, the minority including finity valid and future marriages every one of the seventeen hishops The House of Commons at first who are members of the House of rejected the prohibitory clause as re- Lords, and as the measure had previously passed the House of Commons this session it now becomes

> year-old grandson, James Cope, were buried alive in a mica mine near Sylva, N. C. They were visiting Mr. Dill's mine, when an excavation ocdeath.

Haywood's Tour Abandoned.

William D. Haywood, teeling fat strain of the trial through which he passed in Boise, Idaho, has given up you aanounced a new plan for money his proposed tour of the East, and will return to Denver.

Mrs. Dills Buried Alive. Mrs. Susan Dills and her sixteen-