

was but the flourish of trumpets,

Now is the belt drawn tighter, the

down, and well Each rifleman looks to his rifle that ev-ery shot may tell. For yon are no kid glove warriors, where

they come they mean to stay; Not a man here but knows what it bit terly means when Lee is brought to

They have passed their guns; their col

bay.

The Third Day; Gettysburg

The New York Herald offered a rize of \$100 for the best poem on lettysburg battle, and nearly 1,000 rere sent. The winner is John Harriwize of \$100 for the best poem on Settysburg battle, and nearly 1,000 vere sent. The winner is John Harri-The scream, the deafening crash and the lash of the earth, smitten as with a fiail! on Mills of New York city, a soldier of the war for the Union in the 21st view York regiment, whose history he

It was but the flourish of trumpets, the blare as the gladiators come. Only a red splash here and there, and the bursting of the drum Of the overburdened ear; a lull; the vol-leying crash and the roar of battle, in echoes, recede, return, as waves from a surf beaten shore. A murmur along the lines is heard, and there, on the crest, behold! Against the green, and in the sheen of the bayonets, see unfold The guidons of Pickett's Virginians and of Carolinian Heth, Over the gathering waves of gray that leap on the tide of Death. vrote. He is now an artist in New fork city, belonging to the Water Jolor Club and the National Academy.

wht the clock struck five, and faththought the clock struck five, and father was calling the men;
But, tired with the mowing, I turned my check to the pillow to sleep again-find my pillow was wet with the morning dew; my bed was the hill; the sky Was my roof and my blanket-and in the east the morning sun was high.
A gun shakes the ground-another-a volley! Away in the dark
Where the sleepless pickets watch-a flash --ike the firefy's distant spark, it flutters along the edges. A stir throw the shadow runs.
And the slient battalions stand in line, and the gunners at the guns.

There are eight and fifty guns aligned, And the white slabs rise behind— To fight in their street it is not meet, But the dead will never mind. We came through Gettysburg town, Firing back as the sun went down; i saw there a maid—she was not afraid— And she smiled as the sun went down.

umns close; now at "shoulder shift" they come. Load! With shell! Fire low!-there the

load! With shell: Fire low:-there the old muskets go. Here the shells drop again. Fire low!-Fire low! Their batteries over them roll a vell-Through their ranks cuts the blast of the iron hall. The air is alive with the bees of lead droning their angry hum. Now under the rising sun in the woods the fight roars on. Bix points on the dial our silent gun marks on the lunettes ere the right has won. The trenches emptied at Sickles' call when Longstreet tripped last night, and the fall

droming their angry hum. On, with colors high, they come. Each heart is its own drum. And every ear hears loud and clear its battle anthem sung. Though the earth is cleft with thunder and the air is beaten dumb As the great guns roll their volleys and the baying hills give tongue. Half way-a pause-the lines close up! Straight on-like a summer rain Death beats their faces. Their rifles speak. Then-that old yell heard again.

Crashed down on our centre. And still we wait-oh, the waiting, 'tis worst of all!

of all! When the ianyard is swinging, the fuse is cut, the sabre at carry; ere higher The wheels leap and tremble, the trail spurns the sod, the hoofs in the dust strike fire. We wait-but we know where the curtain shakes as the flying reek drifts afar Are the scene shifters setting the stage anew for the ever new drama of War.

again. Like a battering ram their column strikes

our center-and as a wall Crumbles on him that breaks is, so is it as they fall.

Now the curtain rings up. To your guns! Ah! lion of Lee-what, at bay With shell! Load! Since Crecy was lost and won such a sight has not seen the day. They laid the wounded on the floor. The little house would hold no more: The little maid was not afraid,

the day. Shall it ever again? "Twixt the crest and the plain, half way, cannon stand wheel to wheel, From the left to the right-mile on mile-tier on tier-now where that white tongue forks with red molten steel. Aim low! Fire! And now, as if wired and But the tender eyes ran o'er; The spent shoe swept the town, With the dying she lay down; The little maid smiled-she was

afraid To die as the sun went down. -John Harrison Mills.

Plans for the Encampment

While the plans of the woman's | nent members of the Grand Army citizens' committee at Washington are the Republic, bands will play the old not completed as to details, the gen- marching tunes, and the audience will eral features are now ready to give to join in singing them.

the public. The reception of the In the evening-though this date Woman's Relief Corps, Ladies of the

SEA ENGULFS ACRES **OF ENGLAND'S COAST**

The encroaching sea is steadily eat- | Benhill and Wirral, and their re ing away the coast of England, says have been found at sumerous po the Strand Magazine. It is stated that along the coast.

the annual loss of area by coast ere- Southwest from Land's End, tow sion in England alone is probably not the Scilly Islands, a peninsula of about less than 2,000 acres. On the other 227 square miles has been carried hand, marsh lands have been drained away, and below the sand beach is : and other lands reclaimed, but these deposit of black mold contain ing indi areas are insignificant as compared cations of trees and deer.

with those which have been lost. At Wirral is Leasowes Castle, now Parts of the lost lands were low on the edge of the cliff, but fifty years lying, protected by dikes or levees. ago it was half a mile from the see. which were eventually breached; oth-Many historical towns, such as Rayensburg (mentioned in Shakespeare) er parts were washed away by the foods and storms; but in many cases | where Henry IV. landed in 1299, and the sea is eating its way into tall cliffs. Edward IV. in 1471. having now enemolishing numerous towns and vil- tirely disappeared.

At Recuiver the cliffs were gradu-The line of anchorage for ships off ally eroded until a church, originally Selsey, in Sussex, is still called "the two miles inland, was partly wreched; Park," having been a royal deer park this church, however, had two spires, in the reign of Henry VIII., while the forming a striking landmark for sailtreacherous shoals known as the ors, and trinity board (in charge of Goodwin sands formed in early days the lighthouse work) therefore had a sea wall built to prevent the destructhe estate of Earl Goodwin. On the Yorkshire coast there are tion of the towers. twelve buried towns and villages, and

in Suffolk there are five. Submerged Culture will never eliminate the marks of the cross from Christ. forests may be seen at low tide off

SURF RIDING IS THE SPORT OF HONOLULU.

The best sport in Honolulu is surf | big wave breaks over or rolls under riding. It beats tobogganing. It is the cance and on to its glorious finish vachting, canoeing, bathing, tobog- and you have no part in it.

ganing and iceboating combined. But if you catch it right-and the We invited some army officers to natives generally do-you all paddle the fun recently, hired a couple of for dear life at the captain's commuscular natives and their handsome | mand, force the canoe to its top speed thirty-foot canoe, put on our bathing just as the breaker is forming and suits and paddled out into the break- then come in with the great wall of ers. The canoe is a dugout, made of water just back of you, everybody the valuable koawood. yelling, the spray flying, the waters

It has an outrigger, a fair-sized log | roaring and rushing. fastened parallel to the cance by You live at the rate of a mile means of two curved braces of beams, minute. You seem to be going even Ours was at least forty years old. twice as fast as you are. Usually had been used by royalty, and was there are two or three other canoes worth \$300. out and you have all the excitement of

We worked out against the stiff a race. But even without other canoes breakers for about half a mile and it is a race-a race with the breaker. then turned and rested a bit, waiting You are wild with the blinding the critical time to catch a big one rush, the swish and swirl and whirl of and come in with its rush. That is the spray. The sense of a great movthe science of surf-riding, to catch the ing wall of water just back of you, the breaker at the turn. If you are too roar of waves all about you. It is im-

quick you find your canoe thrown mense!-Tacoma Ledger. aside or capsized or running in with a



These Law Testing Testers

Recently the Farmers' Review com ted on the report that big cold age companies were sending out low-testing milk testers. A dairy ex-pert in New York asked the Farmers' Review to confirm its statements. letter addressed to the Minnesota Erperiment Station on the subject rought the following reply:

To the Farmers' Review-Yours the 11th inst., making inquiry in regard to the small hand testers has been referred to me for reply. We have used the small testers referred to in our dairy laboratory in connection with the school of agriculture and dairy school and in comparing the tests made by the small machines with those made by the larger power machines we noticed that those made from the small machines generally for months.

publication has been made of this observation but instructors in the dairy school have referred to it in articles published. So far as our observation goes the small machines do not provide enough power to get a full reading and I am of the opinion that this is the reason why the factories or creameries who are buying the cream are anxious to have the patrons test it with the small hand machines. The difference in the reading between the two machines is enough to make a I rge profit in the business .- T. L. Haecker.

South Africa as a Dairy Market. The dairymen of two or three naone species of animal to another.

tions are looking to South Africa as possible dairy market. They may and may not find what they are looking for. The South Africans are thinking very hard about becoming dairymen themselves. The Cape gov ernment has gone so far as to appoint a dairy expert, who is bending all his energies to stir up interest in dairying. In some cases co-operative companies have been formed for cheese making. These have been able to dispose of their products at fancy prices -20 to 25 cents per pound. This has stimulated others to form like companies. Dairying is not a new thing in South Africa by any means, but it



We fad Barcoptic mange in the fol owing domesticated animals: Horse,

sheep, goat, dog, cat and pig. This variety dig galleries under the outer layer of the skin and live on the cells of the middle layer of the skin. They multiply in these galleries and occa-

sion a very intense inflammation of the skin. Because of the depth to which the Sarcoptes burrow, Sarcop-tic mange is exceedingly hard to eradicate. It would, therefore, seem foris not common to cattle. It is rebellious to all medication and very frequently recurences of the disease produced by this variety of mite are seen in other species of animals after treatment which has been prolonged

read from .1 to .2 lower. No official Concerning the transmissibility of the different manges to animals and man, we find that all Sarcoptes may live for an indefinite period upon man's skin, but the common mange mites and the tail mange mites die very rapidly and occasion but slight irritation. The horse may contract Sarcoptic mange of the sheep, dog and cat. The ox takes the Sarcoptes of the horse, sheep, goat and cat. The sheep contracts Sarcoptic mange of the goat. The dog takes the Sarcoptes of man. pig, cat, sheep and goat. The pig contracts Sarcoptic mange of the goat. From this it will be seen that Sarcoptic mange, unlike the common and tail manges, is transmissible from

> Mange is never developed except by ontagion. The period of incubation -that is, the interval that lapses be tween the moment when the mites are deposited upon the surface of the body and the appearance of the disease on the skin-varies according to the number of mites transmitted. When in small numbers, the first manifestations of mange are sometimes seen only at the end of four to six weeks, while at other times the disease may be clearly apparent at the end of 15 days. Contamination takes place either by direct contact-that is, immediate, as on pasture, at the stable, etc .- or by intermediary agents .-

Noth Traps Fall-Sp

Prof. E. Dwight Sanderson, in etter to Secretary Go souri, save: On August 5. about s. m., I let out a Codling Moth in my sitting room. It flew to a large Rochester lamp as I let it out with-in four or five feet of the lamp, circled around the lamp once and flew to another part of the room. It did not return to the lamp that evening. Now a Cutworm moth, or any moth which is attracted to lights, as every one has observed, will not only be attracted by a light, but will come back to it again and again. On August 7 I let out twelve moths, fifty or sixty feet from the Haseltine trap light as on August 5, three plum trees intervening between the point and the light. I found but one Codling Mota in the pan the next morning, and that che I observed to fy to the light within a couple of minutes after tt was released. On another evening l let out a half dozen moths about fifty feet from a light and failed to catch any. These experiments prove to my mind quite definitely that Codling Moths are only attracted to light at a distance of ten to twenty feet, that then attracted to it only when suddenly released and unused to the light, as those which I note flew to the light at once were not subsequently attracted to it. Therefore, I am lecidedly of the opinion that such trap lights would fail to catch any considerable number of Codling Moths unless placed so close together in an orchard as to make it entirely too expensive. I am more convinced of the futility of the use of these lights by spraying experiments conducted by me this sensor in which 90 per cent

of the whole season's crop, and 96 fect fruit. Surely trap lights can not

Pecan Tree Fraude. We do not know that any reader of

give such results.

In other words the profits in eggs the Farmers' Review is interested in come from reversing the course of anthe planting of Pecan trees, but asture as to the laying of eggs. sume that some may be. It seems that there are just as great frauds being perpetrated in the sale of these



that the profit in any production lies lowin. If this were so the profit in oggs would be very easy to figure out: Unfortunately for the arithmetic of it there are almost innumerable factors entering into the equation. One of these is the selling price of eggs. It makes all the difference in the work to the profits whether the eggs he laid principally in the entry and middle winter or in the spring. In the first case they are high in price. In the second case they are low in price. . In the case of winter ents a large profit may be the result and in the case of summer errs the balance is likely to be on the wrong side of the book. The cost of food may be approximately the same in both cases. Even if it were double in the winter what it was in the summer the profits would still be on the side of the winter eggs. The proposition may be put in this way. A man had a flock of hens that preduced 100 dosen of eggs which sold at 15 cents a dosen. Time, spring. Cost of eggs per dosen, five cents, Another man had a flock of hens that produced in the winter 100 dozen of eggs. They sold at 30 cents per coses, but the food cost twice as much as did the food for the flock belonging to the other man. What was the difference in the profits? It may be taken for granted that a good many men will answer by saying "The eggs of the winter flock sold for twice as much as did the eggs from the summer flock, but the feed cost twice as much. Therefore there was no difference in the profits." It is just that kind of reasoning that keeps the mortgage on the farm. Actually figuring out the per cent of the picked fruit was per- problem will show that the profits from the winter laid eggs were double those of the spring laid eggs. The question of time of year at which eggs are produced is then the first one to be considered in the matter of profits.

G. A. R. and of the Woman's Auxiliing, to suit the pleasure of prominent ary Committee have been settled upon people who desire to be present-will as to place. There was very strong be held the three great woman's retalk of holding these receptions in the rotunda of the capitol, and all arrangements had been made to put a Wall, will hold her reception from ' measure through congress for that to 8 o'clock, and will be assisted by purpose. While the historic rotunda her staff and all past national officers is large enough, the provisions for who are in the city. ingress and egress are very poor, and

From 8 to 9 o'clock the national remembering the trouble on this acpresident of the Woman's Relief count ten years ago, Mrs. Ellen Spen-Corps, Mrs. Calista Robinson Jones. cer Mussey, chairman of the commitassisted by her whole staff and such tee, felt that she would like to have past national officers as are in the even roomier quarters for these great city, will receive the commander-inevents if possible. The result is that chief and his staff and all visiting vetthe receptions will all be held in erans and ladies. Convention hall. This is to be mag-

At 9 o'clock Mrs. Ulysses S. Grant, nificently decorated for the various functions of the week. It is to begin chairman of the reception committee, by holding a great religious and patriassisted by Mrs. Ellen Spencer Musotic service on Sunday, Oct. 5. There sey, chairman of the woman's auxiliis a splendid chorus of 500 mixed ary committee, and all the national voices now in training for the musical officers of all the woman's orders, and features of this service. It is thought the members of the executive comthat a great religious concert, with mittee, will take their places in line eminent soloists, will be the feature of for the grand reception. It is thought Sunday afternoon. On Monday after- that this will be the most gorgeous noon a mass meeting will be held. At affair that has ever been given at a this meeting a formal welcome will be national encampment. One happy tendered by the citizens' and execu- thought in connection with it is that tive committee to the Grand Army of there will be no necessity for roamthe Republic, the Woman's Relief ing all over a big city in an attempt Corps, Ladies of the G. A. R. and the to locate receptions that one wishes other patriotic and military organiza- to attend. Besides being under one tions which are the guests of the city. roof, and held during consecutive Tuesday a great general campfire hours, those who attend can give reunion is to be held in the hall, tak- themselves up to the thorough enjoying practically the whole day, when ment of the evening and not be in campfire talks will be made by promi- the least hurried.

An Eccentric Negro Veteran

It has been often said of the col- | in July, 1863, during the famous riots ored soldiers who took part in the owned a white horse which he used civil war that many of them had no for peddling. This horse was the only superiors in valor or daring, and proof company that he ever commanded. of this stands in history in numerous and he drilled it only in the "school of a portrait was not an invasion of pavilion she hesitated, but at last con- clination to do so, and will surely be injury results. Millet cured properly instances. These veterans with black of the soldier." He used no reins, but privacy. skins are fast passing away. guided the animal by military com-

One of them. "Charley" Heath by mands. The horse responded as name, died a few days ago in Mount promptly as a "high private" to the Vernon, N. Y., and on his breast as command, "Forward, march!" "File he lay in his coffin were many medals right!" "File left!" "Right about. and badges that had been awarded to march!" and "halt." but when Heath him for a deed of some kind, or which wanted the horse to trot he did not ed at the recent Tilden reception, and he may have purchased. He was a use a whip and cry out "Gi' up! Old he also inclosed a paragraph referring last, she said, looking around the no matter, she can suck just the same. character whose individuality will live Satan!" On the contrary, he would to the fact that Senator Hill's picture restaurant. long in memory, and he lived two command "Double quick, march!" years beyond the allotted time of and then the dust would fiv. "three-score and ten." When asked a The old horse went years ago to few days before his death how it was his last resting place, and Heath has citizen no rights worthy of respect? it?" that he had been spared from the en- gone "where all good old darkies go." I am seriously thinking of applying emy's bullet and that other arch ene- After his death, the family and friends for a reargument of the case." my, disease, when others around him having no means for the funeral ex-Judge Parker replied: had died at a much younger age, he penses, their representative appealed reglied by quoting Shakespeare: to the commander of the Grand Army to say that it permits no rearguments "Cowards die many times before their Post to give him as "good a funeral as and it believes that any American

white folks have," and when they deaths, The valiant never taste of death but | learned that only \$35 could be approonce, etc."

For many years this old negro, who destitute veteran's funeral, they got spect." had served in the army throughout a few more dollars together by solicitthe civil war and who was one of ing subscriptions and a few more carthose dark-skinned unfortunates who riages were hired to carry some of the was chased through Chatham street | colored friends to the cemetery,

Presentiments of Soldiers

young man looked at her in slient ad-"I never made light of soldier pre-"Continuing in this strain he said: monitions," said an old soldier. "At 'You tell my mother when you see miration as she gulped it down.he could not find it again. Brooklyn Eagle. Peach Tree creek, July 19, 1864, as her that I did my duty to the last, The congregation was greatly emthe Fifty-second Ohio advanced to the and you can bet your money that if baurassed and was wondering what An Unkind Qu creek, Francis H. Scott of Company | I fall I will by in the front line,' Swan matter was when he startled it Travers anecdotes continue to mul G said to his comrade, Joe Swan, that | railed Scott about having the blues. exclaiming hurriedly: "Pardon me, my tiply. A New York clubman, whose he had a feeling he would not come but as the battalion climbed the opbrethren, for pausing in my sermon, reputation as a conceited and insuffer out of the battle alive. Swan said in posite bank of Peach Tree creek. but it seems to me that I smell fire able bore was a byword, was attempt reply, 'If you feel that way, Frank, lie Scott, pressing forward in front, was somewhere-and-and it might be ing to impress a group of men as be down behind this stump, and I will shot through the neck, the bullet cutwell to see that it has not broken out ing a society pet. take the responsibility of excusing ting the jugular vein, and he died on in the church or in any of the nearby "What a hospitable fellow ---- is. you to Major Holmes.' To this Scott the white sands of the creek. After houses." replied that he had never missed a that I never smiled at soldiers' pre-Before the words were all uttered fight and that he would stay with the sentiments." the congregation was pouring out of the church, each family being anxious boys now. to make sure that its home was not For Greet Military Post Such a time as I had getting away! on fire. It need hardly be said that Secretary Root of the war depart- | be the nucleus of the future great milithe fire existed only in the pastor's ment has given the final order for the tary post. Gen. H. V. Boynton, prescame right out in the hall and backet imagination. ident of the Chickamauga park comup against the front door." establishment of the first of the four "After you'd g-g-gone out?" inquirec mission, after some quiet negotiation, great military posts which are to be Explanation of Bow Legs. Travers. the gathering places of the United has been able to secure nearly twothirds of the square mile of land re-John Palmer, formerly secretary of States forces in case of war, and in state of New York, and ex-Speaker Bringing the Country Closer. quired for the post proper, and the retime of peace are to be the great train-Reed are personal friends. Mr. Palmer ing schools for both regulars and millmainder will be sought by condemnabecomes general we may look forwar: once called on Mr. Reed in Washtiamen. This, the first post, will be tion proceedings. As this tract adington, and the two had a long disto a considerable decentralization o at Chickamauga. Secretary Root has joins the Chickamauga National Park. cussion of the personal characterisallotted \$450,000 for the construction troops will have the run of the ten tics and traits of the then members square miles comprising that tract durof a post calculated to accommodate of the house. At length they spoke one full regiment of cavalry and one ing large maneuvers. of a member who was so bow-legged company of artillery, which force is to that Gen. Palmer said he reminded Attachments Between Corps "Any mention of the Sixth corps," | the Eighth corps, received order said the sergeant, "always brings Dec. 1, 1864, to report with his divis pleasant memories to me. It was ion to Gen. Grant at City Point, there "What on earth could ever give a man such bow legs?" he mused. was with us in the Shenandoah val- was great rejoicing. We felt sure available which can enable them to tity. compete with their rivals in the city "I don't know," replied the speakley until after Cedar Creek, when it that we would soon touch elbows er. "but he looks as if he had gone up factories. Electrical power wil esturned to position in front of Peters- again with the boys of the Sinth a balloon and walked back." change all that

bind the bur.

swell wave instead of the one you The bitterest rod may drive to the were after. If you are too late the sweetest comfort.

the Ladies of the G. A. R., Mrs. Emms ENGLISH PRINCES MUST JOIN ARMY OR NAVY.

The princes of the English blood | mently desirous of serving against the royal have never been allowed to Boers, but for "reasons of state' reap rich harvests are those lying in saunter through life as mere do- which the people thoroughly indorsed nothings. . Custom and monarchical was not allowed to do so. Those stralia and New Zealand. dignity, of course, severely limit the "reasons of state" are not likely to number of things to which the heir be held less imperative in the future apparent and his younger brothers and one may with some confidence may apply themselves. Practically surmise that for members of the Eng two professions only are open to them lish royal family the days of active -the army and the navy. But with service are over. Their part in either at least one of these callings the fu- branch of the national system of deture king is expected to ally himselt. fense must necessarily be passive and Bismarck once sheered at King Ed- ornamental, though not on that ac ward VII. when prince of Wales as count idle or useless. If we may ap being the only heir to a European | ply to them the scorching epigram in throne whom one would never by any which an American officer proposed chance expect to encounter on a bat- the toast of a regiment that did not tlefield. It is true that English eti- volunteer for the civil war: "War quette and opinion do not exact from like in peace, peaceful in war"-one a roval prince any very serious appli- has also to admit that a prince who cation to his profession; nor, however is thrust into the strict democracy of keen and capapie he might be, would the services is getting an invaluable the nation countenance his employ- education in orderliness, self ment in times of war. restraint and the prompt discharge of

The duke of Connaught was vehe- duty.-Harper's Weekly.

NOT ENTITLED TO RESPECT. SHE KNEW HER DRINK. Ex-Judge Makes Scathing Comment Story of a Shy Maiden at Brighton

on Dave Hill's Trousers. Chief Judge Alton B. Parker of the

Court of Appeals wrote the prevailing shy, timid air, which suited with her advice is never to buy such a cow load on account of the weakening opinion in the "right of privacy" case, quiet costume and her bloomer hat under any circumstances if one can of the muscles at the points of joining which attracted considerable atten- When the young man she got ac detect the fault. Such a cow may of the bones. Millet should be fed to tion, in which the learned justice as- quainted with at Brighton asked her to possibly be prevented from sucking, horses only with care, and then with serted the view that the publication have some refreshments at a nearby but she can never be cured of the in- other feeds. With other stock less

Beach.

Ex-Senator David B. Hill, who is a the restaurant. When they were If the cow you are looking at has a warm friend of Judge Parker, sent seated at the table he suggested that ring in her nose, or has her nose should be exercised against making ing the summer with Bordeaux mixto the judge the pictures which ap- as the day was chilly she take some pierced for a ring, don't buy her. That it a sole ration. peared in the newspapers, showing thing to warm her, remarking that was done for something, and probthe trousers of Grover Cleveland and ginger ale might have that effect. ably in a vain attempt to prevent her After waiting for him to order his from sucking. If she has her tongue Mr. Hill as these gentlemen appearown drink so as to give a hint, as slit it is for the same reason. But, "What are they drinking at that head or neck, be sure that it is not was used to adevertise a certain table. That drink in those small gob caused by some toggery put there to brand of liquor. Senator Hill append-

ed this comment: "Has an American lets, with what looks like a cherry in prevent her sucking. "Oh, that's a Manhattan cocktail," he replied.

"Man-hattan," she said, innocently "Do women drink that?" "The Court of Appeals desires me "Why, of course, there are some

ed satisfied with the statement. Then

"All right, then. I'll take a Hunter

turning to her escort, she said:

women drinking them now," he recitizen that wears such trousers as sponded, pointing to a couple who represented in the picture you inclose seemed to be enjoying the seductive priated from the public fund for a to me has no rights worthy of re- and exhilarating mixture. The shy young thing blushed as well as she could under her fan and seem-

> Saved by Quick Wit. In Germany recently a country preacher was preaching a sermon,

straight." And she got it, while the when suddenly he lost the thread of his discourse, and, do what he would,

has not yet become a leading agricul-tural industry. The recait was gave armers' Bulletin 152 it a backset from which it will be

Millet as Stock Feed. some years in recovering. The great As yet the feeding of millet has in loss of horses has affected dairying, as it has made it difficult to deliver milk it some problems that have not been fully worked out. Among practical either to creameries or to private cusfeeders there are various opinions as tomers. For some years at least South to its real value in the hands of feed-Africa will be a good market in which ers. It has the proper constituents to sell butter and cheese. It is likely. chemically to make it a good feed. however, that the nations that will But the results of its feeding are not always good. Doubtless the ploblems the southern hemisphere, such as Auto which we have referred arise large-

Some Faults of Cows Sometimes an otherwise excellent

cow is rendered partially or totally with a good many feeders that have worthless for the dairy because of a used them when they have been fed habit of leaking milk, writes C. P. alone. So far the trouble seems to Goodrich in Patron's Hand-Book This be a mechanical one due to the numerous beards and also to the fibers fault cannot always be detected unless the milk is seen to be leaking. of the overripe stalks. These mat It does not follow that because a cow | into balls and cause impaction. When these balls become large enough to milks easily that she will leak her permanently clog the intestines death milk; far from it. Still, those that do leak, usually milk rather easy. Some-times the milk seems to drip away regults.

from the tests nearly as fast as it is there seems to be another. When made and the udder is always nearly hay is taken away from horses and empty. This makes a cow worthless millet substituted the result is a deas a milker, but can be detected any rangement of the kidneys, which is frequently followed by lameness and time except when she is dry. Other cows do not leak until the udder is swelling of the joints. The question well distended and they lie down forc- is does the millet cause an accumuing the milk out in a stream and maklation of uric acid, which in turn ing quite a puddle of milk on the causes the lameness? Some veteriground or floor. Sometimes the close narians report that the bones of afobserver will detect this.

Another fault that some cows have is the habit of sucking other cows, or, more easily. A horse so affected will She was a sweet young thing with a worse still, of sucking themselves. My sented to take something to drink at a source of veration. is a good feed, especially if it is fed

with other kinds of feed, but care

Growth and Not Fat Required in Young Cattle.

cattle should be made to grow rather If the hair is worn off about her than to fatten, that the gain in weight should be of muscle and bone rather than tallow, if they are to be run on grass alone the following season, and unless they are to be pushed for the **Creamerics and Skimming Station** market. This point is too often lost Census bulletin 189: Centrifugal sight of by those who take special separators in use by creameries were

pride in the condition of their stock. first enumerated for the census of It is safe to assert, however, that cat-1900, also for the first time, the tle may be sent to pasture in the branch factories or separating or spring carrying much better flesh from skimming stations. Separators to the such feeds as oats, bran, clover or cow peas in connection with corn, than fruits for our markets as well as number of 9,701 were returned and 2,719 branch stations of all kinds. can those which have been fed on While cheese factories sometimes have timothy, corn fodder, sorghum, millet, branches of the parent establishment. etc. in connection with corn, for the they do not have separating or skimwell known reason that the oats, clover, etc., promote growth rather trade may become considerable. The ming stations; all the latter class of subsidiary establishments, and also a than fat and give to the animal a suitable frame upon which to build on tages in the way of climate that place part of the other branch factories. grass. These remarks are not to be her ahead of anything on our mainmay therefore be taken as belonging construed as favoring keeping stock land, at certain seasons of the year. to creameries. Hence, if to the 5.567 creameries there be added 2,050 skim- thin or being satisfied with slow gains, It may be that sometime these isming stations and 669 other branches, but that the gains at this stage of the lands will become the great winter

ing letter saying that there are many ly from the varying stages at which millet is cut and the way it is cured. The foxtail millets have made trouble been extensively sold to unsuspecting buyers. Great is the disappointment Persons wishing to plant pecan groves should write to the directors But beyond the mechanical injury pecan trees.-Farmers' Review. Spraying Strawberries. All rust and blight are of fungue growth which multiplies through spores or single cell seeds, which are carried on the leaves and during unfavorable weather, especially when showers are followed by bright sunshine it spreads very fast and destroys the digestive powers of the fected animals are softer than in the leaves. Bear in mind the leaves are case of well animals and separate if diseased or seriously injured, the sometimes be unable to pull a heavy plant can make no growth. No spores can live when brought in contact with Bordeaux mixture. There are no

plants in the country free from this scourge unless they have been thoroughly sprayed and the spores destroyed. I am satisfied that if the propagating bed is well sprayed durture the spores will be so far destroyed that no injury is likely to in the field. If the plants when re- suit the market and make money for ceived are covered with these spores. It is proper to observe that young and they are sure to be if they have not been properly spra; ed, and tue weather turns wet and sustry, the spores will develop and seriously injure the crop of fruit.-R. M. Kellogg.

Cuban Vegetables in Chicago Markets

The appearance of Cuban vegetables in Chicago market perhaps marks the beginning of a considerable trade in vegetables raised on that island. Hitherto we have looked upon the Antilles as producers of of sugar and tobacco. This year there have appeared also onions, tomatoes, potatoes and squashes. With good transportation facilities this Island of Cuba has immense advan-

ern Yellow Pine, White Fir and Colo-

now being made in Kansas and Cali-

fornia to have similar reserves estab-

Learn to laugh. A good laugh is

rado Blue Spruce.

It requires 28 days to hatch both trees as in the sale of other trees. A seese and duck eggs. Ducks should Louisiana grower sends out a warnbe kept shut up over night in laying agents that are selling all kinds of season, as they lay very early in the things for pecan trees, taking advan- morning. Keep them in the pen until tage of the popular interest in this they have deposited their eggs. If perkind of fruit. He says that one claim mitted to have their liberty they someof these peddlers is that they have a times drop their eggs in the grass or certain fertilizer that will so stimu- in the water, which then cannot be late the growth of the trees that it found. On the other hand geese will will come into bearing at four years seek a nesting place in buildings or of age and bear barrels of fruit at around stacks of straw. 'ine early eight years. Mr. James, the grower broods of ducklings and goslings referred to, says that pecan trees should be hatched under heps. After come into bearing at eight or nine they are hatched keep them in a years of age, and are never profitable small yard in which you have placed before 13 years of age. Wild pecan a coop for shelter; they do much hettrees of no particular value have also ter if this is done for about two weeks than if allowed their liberty. See to it that they have plenty of water while of the growers when, after years of eating. Feed them often, four or five labor, they find their trees bearing time a day, when young. Keep young nuts of no particular value. The fol- goese and ducks from puddling or lowing advice by Mr. James is good: | swimming in cold water. They should not be allowed on ponds until the down has changed, and even then it is of the various experiment stations and not necessary they should have a find out who are the honest dealers in pond. When hatched feed nothing for twenty-four hours. Their first food should consist of bread crumbs soaked in milk. Hard boiled eggs mixed with cooked corn meal is excellent for a few days, after which feed anything they will eat. It is conceded by those who have had the experience that ducks and goese are more easily raised than any other kind of poultry and are quite as profitable. It is indeed surprising that so many poultry raisers are without these profitable the digestive organs of the plant, and birds as an addition to their business. -J. R. Brabrazon.

Duck and Goose Culture.

Leghorns for Meat

It has been generally supposed that Leghorns are of value only for the eggs they lay and not for the meat. Yet some markets take Leghorn brollers in large numbers. An Indiana breeder told the writer that he was shipping Leghorn broilers to New York in large numbers. He said he had experimented with about all the leading breeds to find one that would the producer. Finally he settled down to the Leghorn. The bird is plump and has a large propertion of meat on its breast. Probably the Leghorn will never be a favorite bird for the common trade in poultry flesh, but it has a better chance with the fancy trade and with the trade in broilers.

Loss of Birds at Shows.

From the Farmers' Review: Relative to the loss of birds at shows I will say that I have been attending poultry shows for the past ten years and never lost but one bird in all. I hired a party once to transfer some birds from one county fair to another and one hen escaped from a coop, but was captured afterward. If proper care is taken by exhibitors and snow managers there need not be any longes at all.-Frank O. Johnson.

5.00

Age of Breeding Males.

How old should a male fowl be to give the best results as a breeder? 8,286 establishments are found having animal's life be made up as far as pos- garden of the United States-the hot We ask the question of our readers,

warg. We of the Army of West Vir- corps, and when we left the front to missed the boys of the Sixth, embark at Stephens depot, below Winnonick for them. There chester, there was as much froi fore, when Gen. Thomas M. Harris, as if we had been released for a hold at the Second division of day."-Chicago later Ocean.

When two men are unable to agree Often a woman is so inconstant the they usually leave it to the man beafter making up her mind as to h age she is unable to stick to it.

for separators. About 1.600 use creameries, therefore, use two or more separators. The exact number which are still operated without the centrifuge, or upon the old cream gathering plan, remains undetermined.

Sweet Potatoes. he said, naming one of New York's The sweet potato is a native of cléverest men. "I dropped in on him outhern Asia and was formerly con the other night, and he and his wife sidered an exclusively southern prodfairly insisted that I stay for dinner uct, but repeated experiments demon-

strated that it might be grown in the Why, when I started to leave, they North with perfect success. It is now quite commonly cultivated in many sections of the North, although the

quality of the product grown in the North is not considered equal to that

grown in the South. Northern growers are obliged to tak . better care of When the use of electric power their sweet potato crop than are those in the south in order to insura success and to have the tubers mature

industry. We may see such "garder before the advent of frost. The cities" spring up all over the country quest potato is propagate1 from either as William Morris painted so seduct | tubers or prouts, but the latter is the ively, and the old country towns wil more common and better method. again become active centers of life They may be grown upon any variety him of the traditional man who had to and industry. At present nearly al of soil, but one that i- dry warm and have his trousers cut with a circular the industries that were once carries andy will give a produc : of the best

on in our villages have been killed by quality. A sandy ic will give very the fact that no source of power is good results in both quality and quan-

> Long Life of a Cockatoo. à cockatoo in a far-off country was a cheerful old pet when he was eightyfive years old.

Learn to attend to your own busipage-a very important point.

sible of muscle and bone instead of fat as is too often the case .- Missouri Experiment Station Report.

Bell Sheep as Car Loaders.

A story comes from Hailey, Idaho, about three ewes and a wether that have been taught to lead sheep into Planting on the Forest Reserves. cars in which they are to be loaded. On each of the leaders is a bell. The granted to the Department of Agrisheep that are to be loaded follow culture the privilege of establishing one of these bell sheep into the car. nurseries and planting on the two The owner goes with the leader to forest reserves recently established keep the bell from ringing when the by President Roosevelt in the sandcar is full, and the bell sheep is going hill region of Nebraska. Surveys are out, as that might cause the sheep new being made of both reserves, and to file out again. The same sheep nursery sites will be chosen and put have been taught to lead flocks, of in readiness for planting by the end sheep through the town to the stock of the summer. The most active yards. For these services the owners work will be on the Dismal River Rereceive a small fee, ranging from 25 to 50 cents per trip. serve, where all preparations for

Captain Bernier, head of a Canadian exploration party, will explore the polar region in an automobile adapted from a Russian invention. Instead of wheels the auto will be fitted with rollers adapted to ice-going. Such inventions have been used with success on extensive ice packs, and Captain Bernier will make use of this knowledge in his quest for the north pole.

Little mugs of lager, little drops of dram are the cause of nearly all the trouble in the land.

Some men's successes are only sufficient to make them unhappy.

bed also in which are to be started ter. There are a great many opinthe plants that are later to develop ions, but we lack verification of those in northern gardens. In fact, under opinions. If any of our readers have scientific treatment, the amount of produce that could be raised on these an opinion that they can back up with statistical or other facts let us hear tropical islands is almost beyond from them. computation.

From the Range Country.

Graham County, Arizona: The The Secretary of the Interior has range is in very poor condition, no grass and less water. It will be better soon, as the rainy season has just begun. It is stocked with a few horses, cattle, sheep and goats, mostly cattle. The horses and cattle are in very poor condition, and of medium quality. Local markets consume most of the horses and cattle and all of the sheep and goats. There is too much stock for the good of the range, and it has been overstocked. There are no roots to the grass to speak of to pursery planting will be completed hold the moisture. Sheep and goats by September, and during the fall a large collection of forest-tree seeds do gaite well in the hills. The range never was worse since white men enwill be made. The principal species tered Arizona.-Wm. Stapley. used at first will be Jack Pine, West-

What's in a Name?

Mr. Tank of Cleveland is making The Nebraska reserves were the prohibition speeches, but Mr. Waterfirst of this kind, and these are so man runs a distillery in Kentucky. well thought of that active efforts are

> How Sound Travels. In dry air sound travels 1,442 feet per second, in water 4,900 feet, and ini iron 17,500 feet.

etter than modicine. He who loves and rits away can feure in a breach c. promise suit Somebow girls aren't jaited to driv come day.