"CHAPTER XIV. [Continued.] "That to a small metter. I find

Chose equal. One has a stain upon it, "Out, mensiour," bending forward to not at it more closely, and then turnby to the baron, who smiles coldly, as wiy remarks:

The bleed of young Lord Carmor-gen. We use in Turkey. He was bur-fed in Stamboul, I believe. A careless second falled to wipe the blade, and it is such a good set that I hate to part with them."

These words have not the slightest effect upon the American, who holds the two sweets, one in either hand.

meighing them thus.
"Choose the one that is stained—that has steed the test, and may be backy," whispers Sendy.
"May rather secured, my friend,

since it is marked by the blood of a heave man. I'll take the same blade Lord Carmergan handled. Since a Britten falled to teach the Russian hear a lesson with it, we'll see what Brother Jonathan can do. Hold it for the, Mr. Grimes.

. No one makes any remark, though secretly the baron is fuming, while both Mr. Grimes and Sandy chuckle at the words of the traveler. It is patent that Mynheer Joe has gauged the make-up of his antagonist to a dot, and will be able to take care of him.

Both principals in the contemplated Wair proceed to busines... Coats and sts are removed. Joe arranges his attire just as in the gymnasium, placg the footbolds over his shoes, tightng a belt around his waist, and fasening up both sleeves.

The baron observes his movements with a curiosity that shows itself upon his face. He discovers that his Amerbeen antagonist knows more than he g'ves him eredit for, and perhaps for the first time the startling thought hes through his brain that this man may be a revelation to him.

His practical eye takes in the won Serfal waist of Mynheer Joe and the superb forearm. These points give premise of astonishing supple swordplay if in the possession of a master.

The baron feels concern-something that never bothered him before when about to enter a little affair of this Rind, for the duello has been a pa'stime to the Russian, feeling that he was a sure winner from the start.

Roth are now ready. Their seconds place them, and as there is really no advantage in the ground, this requires little effort.

"One moment before we begin!" to Mr. Grimes who speaks, and all eyes are at once turned upon him. Let us understand the conditions of this affair. Will the gentlemen's hemor be satisfied with first bleed, or to it to be a duel to the death?"

The baren opens his mouth to destare for the latter, remembering the diegrace put upon him when the wine was doshed into his face. Just then his eyes rest upon the countenance of the American. What is it in Mynheer Joe's looks that causes a spasm to pass through the frame of the duel-Set? He hardly knows himself, save that for perhaps the first time in his life be has had an undeniable twinge of fear.

The first disabling wound will satmry me," says the baron, coldly, seeretly meaning that when he himself gives this it shall be the coup de grace through his foeman's heart. Mynheer Joe inclines his head.

What the Russian says suits me. I am ready for any conditions," he remarka.

"It is understood, gentlemen, a disabling wound brings the little affair to a termination, and we, the seconds, are to be the judges. Are you ready for business?" calls Mr. Grimes.

Both swordsmen assume favorite positions and make affirmative repases. Mr. Grimes nods his head to the Frenchman.

"Begin?" calls that worthy, sharply. Hardly has the world left his lips Than the swordblades kiss with a ringing sound, and the extraordinary duel among the bills of Mokkatam has begun. It is the baron who assaults: he is eager to discover the mettle of his antagonist, and throws some fire fate his attack, though not forgetting to keep his guard intact, and retain Some reserve.

The spectators group around, and prepare to witness one of the most sishing scenes that ever took place upon the bank of the historical Nile." It does not take an experienced Seman long to learn that he has met a forman worthy of his steel, and ere they have been at it ten seconds the Russian allows a look of surprise to be seen upon his face.

This is succeeded by an expression of terrible derocity. He has discovered the entiber of his antagonist, and is more than ever determined to kill him then and there. Fortunately, the obsect of this solicitude has something to may about this matter himself, and

he speaks with no uncertain sound. For perhaps a minute or so, the words meet and writhe and twist he gleaming snakes. Then the agile rings back beyond reath. He has fafied in als first attempt. What will be endeavor to accomplish now?

He knows better than to display any figns of alarm. On the contrary, he forces a sneer upon his lips and ap-

Again he advances, to adopt an enfirely new system of tactics, which the American meets as becomes the Lavorite pupil of Monsieur Duval, the nous swordmaster of all Paris.

The baron is amazed to find that each of his little tricks is met in rapid order. He gains no advantage. If Jee were surrounded by a wall of steel

be come not be mire excure apparent ly frem the costaught of his entagon

. On his part, the American admits that never has he met one who could wield the blade with such power and skill as this Russian duellist. He is kept busy repelling attacks, and when be finds an opportunity to make a lunge on his own account it is met and parried by the clever work of the bar-

Mr. Grimes looks on and smiles; he kinks he can afford to, knowing well 'ait a surprise will yet come upon the Russian. As for the French captain, he rubs his hands together in great glee; such a spectacle as this appeals to everything that is martial in his composition. He forgets that two men are battling for life, and only sees the marvelous skill brought to bear in manipulating the swords. All the while fervid exclamations escape him, as if he cannot keep his feelings under control; he is like a kettle of bolling water-when the heat reaches a certain stage he bubbles over.

"Sacre! Look at that lunge! Magneeficient! And the return? Charmant! It is worth losing a night's sleep to gaze upon such lovely play. Mon ami, observe the blades kiss and twine about each other. My friend has met a noble adversary. Mon Dieu' Such coolness, such wonderful arms, have not seen in all my life. I am proud to say Americans are the friends of the French. But it is one great pity-he must go down. The baron tires them all out-his arm is made of steel. I trust it will only be a flesh wound. Parbleu! I should hate to see that brave man die."

Thus he mutters and exclaims in starts, as he watches the fierce engagement. Mr. Grimes hears him. Mr. Grimes does not share his apprehension one lota. He simply utters in the Frenchman's ear the one word:

Meanwhile the second bout between the two men has proven as fruitless as the first. As if through mutual consent they spring back to recover

themselves. "Time!" says the Frenchman. They rest upon their swords, and

during this brief interval keen eyes are upon them. The French captain contrasts the two. 'He has declared that the baron, in the past, has won more than one victory because of his wonderful endurance, which has enabled him to wear his antagonist out. To his surprise, he now discovers that the Russian has put forth such tremendous force in the attempt to beat down Joe's guard, that he shows more signs of exhaustion than his antagen-

What does Mynheer Joe do, as if to show his contempt for the man against whom he is pitted, but take a cigar and place it, unlighted, between his teeth.

The baron's eyes finsh lightrings when he sees this act. He realizes that the mistake of his life has come When Mynheer Joe entered Cairo the Russian's star began to decline. It is now going down with a rush

"Ready?" he cries, raising his sword. The American meets him half way. and for the third time the weapons clash together. Now the baron exbausts his repetory of curious strokes and tricks, hoping to discover some weak point about the other's defense.

In this he signally fails. As yet he has felt no twinge of fear, trusting in his own skill to defend himself. If it comes to the worst, the duel can be called a draw, and he sucks consolation out of that fact, while not omitting to keep a close watch for the opening he still hopes to discover.

A new phase in the duel is about to take place, what Mr. Grimes has been so anxiously awaiting. He wonders why Mynheer Joe delays so long, and can only lay it to that strange feeling of fine humor which causes a cat to play with a mouse.

It comes at last. Joe springs back a pace, passes his sword from his right hand to his left, and is at the Russian like a tiger. His trenchant blade flashes before the baron's eyes, and a cry of wonder and dismay is forced from the latter's lips, when he realizes a new arm is matched against his wearled one; that the marvelous attack must now be met in a different manner than before, since it proceeds from the left shoulder.

Mr. Grimes hears a groan beside him. It is the French officer, who realizes that the day is lost to his cause.

The baron is game. He battles desperately to save himself. Mr. Grimes notes the sallow hue that has crept over the man's face, and he knows the duel is already decided. For the first time perhaps in his life, the Russian feels the cold clutch of fear at his heart. Once a man allows this feeling to come over him in a duel, his chances are gone. At the same time, over-confidence is just about as fatal to success. The only safe course is a line between, captious and wideawake, ready to do his best and leave

the rest. It becomes apparent that the baron weakens. His defense is no longer the marvelous one he put up while Mynheer Joe continued the right-hand movement. These flashes from the uncouth side dazzle him. He has never been drilled to meet the attack of a left-handed swordsman, and finds his brain unable to successfully cope with the new problems thus suddenly presented for solution.

The baron is lost. He might still save himself by springing back and sullenly refusing in ten dave

to continue the angagement with a man who has such a wonderful advantage over him, in that his left arm is as dexterous as his right.

Purhaps such a thought flashes into the mind of the Russian; he is human, and life is sweet to him; but he does not take advantage us the idea. Pride rises against it. He cause from a mee that would meet feath rather than appear a coward.

So he battles on, doing his best to

So he battles on, doing his best to meet the attacks of his foe. He no longer hopes to assault in turn-his arm is too tired for that. He suffers excruciating pain every time he maker a move. More that once can Mysheet Joe, if he chooses, drive his blade through the body of his foe. He lets the chances sup by; perhaps the time may come when he will regret this mercy, but he does not like to have the

blood of a white man on his bands. At last the opportunity be looks for comes; there is a quick movement, a sudden cry, and the sword of the American protrudes through the right arm of the baron at the shoulder. Lord Carmorgan has been avenged with the weapon he handled in vaint

CHAPTER XV.

THE BABON IS SATISFIED. With another quick movement the American withdraws his sword and steps back a pace to avoid any pun ishment, but the baron is in no con dition to deal such. He sinks back, and only that the French captain springs forward and catches the baron in his arms he must fall in a beap.

There is no sign of fainting, only xhaustion. He stands there, sustained n part by his second, looking at the first man in all the world who has proved his master, and the gleam ot hose eyes can be termed nothing less than diabolical.

Mynheer Joe leans on his sword and coolly surveys his antagonist. Then he calls for a match and applies it to the cigar which he has held between his teeth all this while. It is evident that he has no fear of the future.

The tableau remains unbroken for perhaps a full minute. "Time!" says Mr. Grimes clearly.

Mynheer Joe, still smoking calmly. elevates his sword. The plucky baron makes'a move to follow suit, when his second, the French captain, throws himself between.

"Mon Dieu! You would not finish this affair with murder, comrades? It was agreed that a disabling wound would end it. See, my principal has no longer any arm. What served him so well is now almost as useless as a dead member. You will call it quits, or I shall offer myself his substitute!" he cries with commendable enthusi asm and pluck, since he knows he is no match for the Yankee.

"On one condition," returns Mr. Grimes, who also produces and lights a cigar, while the irrepressible Sandy is scribbling away for dear life in shorthand at the rate of a thousand words a minute, more or less. "Name it, monsieur."

"The baron provoked this duel by an insulting allusion to the American fing. It has had - trial by arms, and the decision rests against him. Let him frank'y apologize, not to my friend only but to Americans every. where, and I am sure Mynheer Joe will be satisfied as well as myself."

The proposition is reasonable. "Parbleu! I see no reason why it should not be done in common justice, since it has been decreed that my principal was in the wrong. It was a that will haunt me always. What say you, monsieur le baron—do you withdraw your allusion to the flag under which this gentleman serves?"

The Russian smiles. "I am compelled to, since I declared that it covered only cowards, for he has proven very plainly that I made mistake. Mynheer Joe knows my him to a meeting, so that I need retract my words no further than this."

"You have had the meeting; are you satisfied, baron?" asks Joe himself. "For the present, yes;" returns the other, between his teeth, "but this does not end it, my American friend No man has ever yet run across my path and lived. Your time will come!"

"No man up to now has ever worsted you in a duel, Russia, but you met your match here. Take care it is not your life that is snuffed out like a candle. We Americans shoot to kill when we engage with wolves or tigers," says Mr. Grimes.

170 be Continued.1

SNAILS FOND OF MUSIC.

French Nationalist Has Discovered Their Peculiarity. A German scientist recently pointed out that snails are able to draw im mense weights, and now a French natralist claims that there are few, if any, animals which have a higher appreciation of music toan snails. This saturalist is M. S. Jourdain, and his riews on the subject are expressed at length in a paper which he has ad iressed to the French Biological so ciety. Place some snalls on a pone of glass, he says, and you will fud that as they move over it they will make musical sounds similar to those which a person can produce by wet ting his fingers sad then rubbing if around a glass tun bler. Complete airs he points out, have been played or tumblers in this war, and he expresses the opinion that quite as good re sults can be obtained by using snails instead of fingers.

Golfing Feat. At the recent Oxford and Cambridge match at Woking one of the ompetitors—C. H. Alison of Oxford landed his ball on the top of the clubhouse in approaching to the home green. One might have imagined that this would have been out of bounds, but the player was allowed to get a ladder and play the ball from the top of the house. What is more to the point, he made a grand recovery and holed out in five

The Necessaries of Life. The average man will use for want of air in five minutes; for want of water in a week; for want of sleep

.. Agricultural. ...

What are you raising attle for? If for milk and butter and other dairy sewents, you want Jamesya, Guernages or Holstein; if for the beef market, you want Short Horns, Polled Angus or Herefords. Arrange these names to

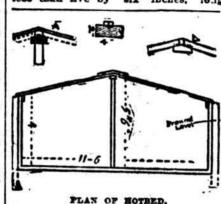
To decide whether eggs are fertile r not hold them between the thumb and forefinger, with one end toward the thumb and finger, in a horisontal position, having a strong light in front of you. The unfertilized eggs will have a clear appearance, both upper and lower sides being the same. The fertilized eggs will have a clear appearance at the lower side, while the upper side will exhibit a dark or cloudy appearance.

Novelties in Vegetables Do not be tempted to abandon the old reliable varieties of vegetables for novelties, but first test the novelties

as experiments. Some of them may be excellent, but all varieties depend for success upon climate and soil. It is never safe to make a complete change in any kind of crop by substituting a new for an old. Some so-called novelties are old varieties under new names. The best variety is the one that has been tested and found suitable for the farm upon which it is grown,

Successful Combination Seven years ago I built my first combined botbed, coldframe and winter storage pit. It is the only successful combination I know for such uses. When converted into a storage pit, the sash is replaced by a door in the end, makes access possible without disturbing any part of covering.

It may be from three to five feet high at outside, or eaves. Excavation is made to bring the top of outer post about twelve inches above ground level. Make bottom two or three inches lower in centre for drain, with tweinch tile. Use best hardwood posts, not less than five by six inches, long



enough to be set below bed level two and a half or three feet. It is to be permanent, and only sound, long lasting timber should be used for walls. painted or covered with pitch. Use side of line of posts, providing dead air space, and protecting inside wall. All. except side walls, is of portable construction to allow taking down for driving or backing team in while fill-

four inch centre uprights every six feet, resting on flat stone or plank. Nail one by one inch strip in the cen tre of each rafter for a sash guide. To prevent wind penetrating or lifting sash use ridge board on top, and a hook allusion was made only to provoke and eye at bottom of each sash.—Reg.

heavy bent wire at B. Place two by

Stubbs, in Farm and Home. Red Raspberry Culture, It costs more to grow red raspberries than it does to grow black feet apart in the row. These plants then scrape. When this is done, hang can be cultivated both ways for a time. When properly cultivated they will bear fruit a long time, much longer in fact than will the black raspberry. Cuthbert, London, Shaffer and Col-

umbian are prominent red raspberries. Growing of Corn. One of the best ways of killing the weeds in the corn field is to destroy them before the corn comes up, and we make it a practice to run the weeder lightly over the seeded ground if there is the slightest promise that the soil is likely to be weedy. Another round of the weeder just before the corn shows through will take out a lot of the weeds and not injure the corn in the least, but leave less work for the cultivator to do in its first rounds, which is as soon as the rows can be fairly defined. It is true, this first and subsequent cultivating would kill off the weeds, but not so certainly as by the plan indicated. If the soil is fairly rich and the seed bed well prepared for a good variety, this plan | cut. Place the hog on the hook B and of early and constant cultivation, as then lift it up on the lever A. Place long as the corn can be worked, will give one crop which will amply repay | tionary object. Take out the entrails, for the labor involved. While corn is grown by nearly all farmers, there are few little points like the above which, and place in the storeroom to cool un-If put in operation, yield such results til the next day. Two days are better, as to upset any ideas that we know all Then apply salt and let it stand for there is to know about raising corn.

As to Wheat Growing. great wheat belts, and while this is so isfactory. Use whichever you wish. with some individuals, statistics show | feetly harmless.-Misseri Correspondthat the falling off is not so great as | ent Ohio "-mer

is generally supposed. On the other hand there are individual farmers who are good wheat raisers who have giver up their farms almost entirely to other crops, timply because they do not fee able to compete with the great wheat

able to compete with the great when! sections of the West. It is doubtful if this is good policy, for while the farm may frequently be used to better advantage, there is al ways a market in any section for a crop of good wheat, and always use for a small crop on the farm. Then, too, wheat is one of the best crops to use in a rotation, having a value to the soil in this respect so great that it would pay to grow it even if the sale was comparatively limited. If it could not be soid at a fair price it has con siderable feeding value, particularly where poultry is kept. Do not cut ou the wheat entirely until you have in vestigated its value on your farm .-Indianapolis News,

Injury to Fruit Tree by Mice. The Horticultural Section of the

Iowa Experiment Station is in receipt of numerous reports from various sec tions of the State conveying the infor mation that during the period last winter in which the ground was covered with snow, many fruit trees were badly girdled by field mice. Such trees if left unattended, are very likely to die. The majority of them, however, may be saved by covering the injured portion with earth. The growing layer which lies just beneath the bark will form a new layer of bark if it is kept moist by banking up with earth for two or three inches above the gir dled portion. The earth should be firm ly tamped about the stem and pains taken to see that it is not separated by the tree swaying in the wind.

Another effective method of treat ment, which is more trouble, but sur er, perhaps, is to wrap the wound with broad strips of cloth coated with graft. ing wax. The wax is made by boiling together four parts resin, two parts beeswax, one part tallow.

To make this work effective, the wound should not be allowed to be come dried out, and no time should be lost in covering the girdled portion. In cases where the injury has not been too severe, this treatment may also prove effective in saving trees injured by rabbits.-Indiana Farmer.

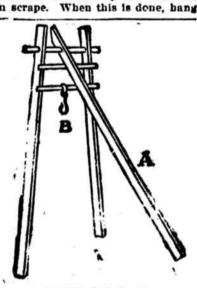
Hog Cholers-A Preventive.

Some time ago I heard a friend wonder if there was such a thing as a specific for hog cholera. Immediately there came to me a vision from long ago, of two gentlemen sitting on the broad veranda of a Southern farm house, one, my uncle, with whom I lived, the other a planter from Mississippi. The foreman of the plantation had just reported the death of ten more fat hogs from cholers, and my uncle had remarked to his visitor that he had already lost more than fifty hogs from that disease, and added that the time would soon come when hog raising would be a lost industry in the South because of it. The visitor regarded him attentively for a minute and then said slowly and impressively, "There is not the slightest need of hogs dying ct cholera. While I know of no cure for the disease, I do know a certain preventive, which I have and even these should be heavily used on my plantation for years, and urged upon my neighbors, but its very boards or plank outside as well as in- simplicity prevents its general adoption." "What is it?" asked my uncle, engerly. "Its simplicity will not deter me from its use, I assure you." "It is simply tar," replied the visitor. "I have a quantity of pine tar run.

ing or removing dirt, manure or stored and three times a week I have each grand sight though; a superb spectacle crops. Use a four by four inch ridge car of corn given them liberally pole, as shown at A, to support two smeared with it. They root it about a little at first, but they will finally eat it, and I have never had a case of cholera since I began to use it." From that time it was used on my uncle's plantation, with the best result.-Miss M. E. Lowman, in The Epitomist.

Hogs For Ment.

For hogs we prefer the Poland-Chlnas. While they do not produce as farge litters as some other breeds. they are large hogs and of a dignified appearance. For meat, feed bone and muscle producing food until about six raspberries. Red raspberries should months old and give them a steady sell for nearly twice the price of the shove then and fatten on corn and black. If the market will not pay sometimes mush. For meat, we often higher prices for the red varieties kill some of the old sows. These we than for the black it will not pay to fatten in the same manner. Do not grow the red raspberry, but in most | feed your sow for at least twelve hours localities red raspberries are in active | before killing; longer is better. When demand at high prices. I advise ready to kill, go quietly to the pen growers of small fruits to have at with rifle in hand and shoot the anileast a moderate sized plantation of mal. To knock it in the head is a red raspberries. They are not diffi- brutal method and is fast being done cult to grow, and are an attractive away with. Bleed it quickly. Take fruit to offer in connection with other it to your barrel or vat and place it small fruits you are selling. Red in the same. Pour the water, which raspberries should be planted in rows must be boiling hot, over the hog and six feet apart, with the plants three scald well. Rake away the hair and



A HANGER FOR MOGS. the hog on a hanger like the one in the

the legs against the fence or other staetc., and wash off by dashing water over it. After it has cooled cut it up another day or two. Then put it down in sait in barrels or boxes. When it There seems to be a general opinion up and smoke it either with hickory en off in sections located outside the have tried both, and they are both satin some States, and particularly so The condensed smoke is, I think, per-



PLANTING FRUIT TREES. Fruit trees planted on the north side of high, hilly ground are never snown to utterly fail on account of lamage done from freezing.

CARE OF FLOWERS.

If flowers do not mature well they nay be made to, in many cases, by placing half an inch of powdered charcoal on the earth in the pot. A soluion of white beliebore in water may often be used to a great advantage in lestroying the insects that infest so nany flowering plants.

FORKED FRUIT TREES.

The forked apple or pear tree soonet r later comes to ruin by splitting of he forks. When the tree is first trans. planted it is the time to remedy this. out off one of the branches of the orks, usually the smaller one, with a mooth, sloping cut, and if the cut is arge cover with a good oil paint or with grafting wax.

EARLY CULTIVATION.

Few people appreciate the value of arly cultivation of the soil about 'ruit trees, plants and vines. Nearly ill the growth of trees is made in the irst few weeks and mouths of spring ind summer. If cultivation is not given at this critical period the trees will be stunted in growth no matter low much cultivation is given in July. August and September. Just as soon is the ground is dry enough to work sicely in the spring cultivation should begin among all kinds of small and arge fruits. If this early cultivation s not given the ground is liable to become so hard it is exceedingly difficult get it into good condition, but if cultivation is begun early when the soil is a little moist the earth is easily proken up and kept fine throughout

CARE OF NEWLY SET TREES. All who set trees recognize the importance of having them make a strong, healthy growth during the first

summer that they may tafely pass through the first winter. Particularly is this necessary in sections where the winters are severe. Of vital importance is the conservation of the moisture in the soil. It is of little use to pour water on the surface of the soil about the trees, for, if the soil is at all of a clay texture, the sun will so bake it that little of the moisture will get to the roots of the trees.

One of the best plans is to keep the surface soil loosened until after a frenching rain, and then, before the sun has a chance to bake the surface soil, place a mulch of hay or straw about the tree, putting it on several inches deep and extending for two or three feet about the tree. This will conserve the moisture in the soil. Of course, the best plan of all is to carry on the su umer cultivation of the surace soil between the rows, thus obtaining the dust muich; even then the mulch of hay or straw can be used to dvantage close to the trees.

THINNING FRUIT.

Undoubtedly it does pay to thin peaches. Because of the inclination of many varieties to grow in clusters. fruit to attain a marketable size, so that thinning usually pays. Whether t will pay to thin other fruit is a matter which must be determined by every grower for himself. In the experience of the writer, it has been found that when the fruit goes to a market paying a good price, it will pay to thin the fruit at least to the extent of shaking the tree to dislodge the fruit that will drop anyway, and then sending a lot of small boys through the trees to thin wherever it seems as if it could be done to advantage.

Of course, the lads will have to work under the direction of some one who knows, and the work should not be too finely carried on; that is, the thinning should be done only in cases where two or more fruits are so close together that none of them will likely mature. This sort of thinning will generally pay, but it is a matter of much doubt if anything more will be found profitable, except, as stated, with peaches, and possibly with plums.-Indianapolis News.

FRUIT PACKAGES. Everything points to a general adoption of the box as the package to be used by orchardists the coming season, and apples of good quality will be packed in them to the exclusion of barrels, especially where a discriminating market is being catered to. The berry basket of the season is made of paper, and it is sold at a price which greatly reduces the loss of the grower, which has been quite a sum on this item. The crate of paper is also shown, but it looks too light, and is still an experiment. A few grape baskets of paper are also on the market, but offer the same objection as the berry crates. A start along the right road has been made, however, and fruit growers will be glad to encourage manufacturers. A point which all fruit growers should bear in mind is that the city esident has little room for storage. and hence will pay much higher prices in proportion for good fruit in small packages than ordinary fruit in large

you'll see it is so.

packages. They will also pay more for

a dozen fresh eggs neatly packed in a

clean box than they will for the same

number, more or less soiled, taken

from a bushel basket. Try it, and

In an advertising periodical is reported the experience of two men as personally known to the writer of the report. One went into the fancy poultry business, but did not advertise. Evenhas thoroughly taken the sait, take it | tually he grew discouraged from lack of buyers and gave up the business. that wheat production has greatly fall- chips or the liquid preparation. We A hundred miles away another man went into the same business, but advertised in a number of leading newspapers. He is still at it on a large scale, still advertises and is a rich



HE people of the South appear to be greatly aroused. on the question of highway improvement. The roads of the South are, on the whose, worse than those of any other section. There are several reasons for this, among which may be mentioned unfavorable climatic conditions and scarcity of road building materials. To these may be added the fact that the South has hardly as yet fully recovered from the devastating effects of the Civil War, and the population and wealth per capita are less in proportion to the mileage of roads than in most Northern States.

But the public spirited citizens of the South are enthusiastic advocates of better roads, notwithstanding these obstacles. In many counties of North Carolina, Tennessee and Texas bonds have been issued and many miles of first-class roads constructed.

If there is anything worse than a clay road, it is one of sand. But, apparently, by accident it was discovered a few years ago that sand and clay thoroughly mixed in proper proportions makes an excellent road. As a result of this discovery, a large mileage of sand-clay roads has been constructed in North and South Carolina, and some in other States. Two advantages of this kind of road are cheapness of construction and abundance of material.

In many coast counties in the South shells are used for making roads, and they prove an excellent substitute for crushed stone. In southern Alabama and Louisiana may be found some stretches of shell road that are as fine as any in the country.

It is a matter of surprise to some that the sentiment for national aid to road improvement should be so strong in the South. The strength of that sentiment is shown by the fact that the ploneer advocates of that plan in both houses of Congress are from the South-Representative Brownlow, of Tennessee, and Senator Latimer, of South Carolina. The Legislature of Tennessee was the first to memorialize Congress to make an appropriation for road improvement.

At the recent meeting before the Senate Committee on Agriculture, a Northern Senator tried to quizz a good roads committeeman from South Carolina by asking if the people of his State "had overcome the prejudice which used to prevail there against Government interference in local affairs." The answer he received was: "Yes, we are getting broad minded down there," was greeted with applause. The fact is, that the South has been aroused by stern necessity. The farmers of the South want the help of the Government in improving their roads, because they need it badly, and because, like farmers in all sections, they think they are entitled to a larger share in the direct benefits of Government appropriation than they have heretofore received .- Atlanta Journal.

Scartitt Talke.

Winthrop E. Scarritt was chosen to make a public statement, defining the attitude of New York business men toward improved highways. He says. The civilization of a people may be measured by their transportation facilities and the condition of their public highways. The pioneer had no roads that were worthy of the name. After

more than a century and a quarter of

existence, this country still has thou-

sands of miles of public highway that are a disgrace to civilization. "America is a country of extremes. Congress has spent uncounted millions on rivers and harbors, while, on the other hand, for more than half a century she has spent practically nothing for roads. How absurd this is when you consider that probably there is one hundred times as nouch travel on land as there is on water. Steam railways have been encouraged. The Gov.

ernment has subsidized ships. "How ludierous, if not pathetic, has been the attitude toward good roads. notwithstanding the rapid growth of the United States and our boasted progress in civilization. It costs just as much to carry a ton of farm produce on a wagon to-day as it did before the war-namely, at least twenty cents per ton per mile. While almost every subject under the sun has received consideration at the hands of the Government, the roads have been left to lan-

guish. "In a few of the Eastern Statesnotably New Jersey, Connecticut, Mas. sachusetts and New Yor .:- the good road movement has been substantially sided by the States themselves. Enough has been done in these States to demonstrate absolutely the significance and value to any community of

a system of good highways." "Sand Clay Roads."

A sandy road is bad in dry weather and only tolerable after a rain. A clay road is fair in dry weather if not rutted too badly, but in wet weather drops the wagon wheel to the hub. They have a way in the South of combining sand and clay in making a road good in all weathers, continues the New York World. The sand and clay must be thoroughly mixed so that all the particles come in contact with each other; then the sand keeps the clay dry and the clay gives the mixture an element of solidity. Some of these mixed roads, nicely rolled, have lasted for five years without deterioration. It wouldn't be so easy in New York to build roads on this principle. Frost is fatal. The roadbed must be dug out below the frost line, and the trench filled with the mixed sand and clay and the result is to last.

Had It Cut Out.

An exchange tells the following story of modern surgery: An old lady, who went to the city to visit her daughter, was met at the door by a servant who said that the daughter had gone down town to have a kimona cut out. The old lady sank fainting into the nearest chair and tearfully asked what hospital she had been taken to