

BLACKSMITHING ON A FARM

The Saving of Many a Dollar is Knowing Just How to do Things.

To sharpen harrow teeth get a good, clear heat, draw the point of the tooth down as sharp as you want it first and then make the slope as long as you want it. If you commence back and work toward the point the point will be too cold and will split easily, but by commencing at the point and working back the large part of the tooth will hold heat and you can finish each tooth with one heat.

To temper a cold chisel: After you have brought it to the shape to suit you heat it to a cherry red about two and a half inches, then plunge it in cool water, (not cold water) about half way up the red part after the point is chilled and before the red heat is all out of the steel above the water. Take it out and as the heat from the part above comes down you will notice a blue shade creeping down toward the point. Just as it reaches the point plunge it in the water all over. If the steel is good and you have been careful not to heat too high when working it you will have a tool as good as the best. When chilling steel always keep it moving in the water.

To make a spring for the binder or any other farm tool, take an old file or old rake tooth, work it into the proper shape, being very careful to work at as low a heat as possible. To heat just once a little too hot will spoil the spring for all time. Never heat more than a nice red and as few times as possible. After you have it in the shape you want it get a can that will hold oil enough so that in putting in the spring it will not even warm the oil. Heat the spring evenly all over to a cherry red then drop into the oil. After it is cold pass it back and forth through the fire with a pair of cold tongs until the oil is all blown off. Dip in the oil again and blow off as before, repeat three times and you are all right if you have been careful in the work.

Springs for bugles, harrows, etc., can be given a good temper by passing back and forth over the anvil and hammering lightly until cold, occasionally dipping the hammer in water.

To make butcher knives put of old files or any other tool steel work at as low heat as you can and as you near the proper size, water hammer considerably. That is by dipping the hammer in water and hammering lightly until cool, then heat hammer again, commencing the water hammering as soon as the steel is too cool to draw out. When you have it in the shape you want it and have done all the filing you want, then heat to a cherry red evenly over the blade and put it quickly in the water, being very careful to put it in the water straight up and down or the blade will warp. It is now hard as glass and must be handled with care. Now smear over with tallow and pass back and forth through the blaze until the steel is dry and looks as though the steel has absorbed the tallow, rub on more tallow and repeat the operation until it breaks into a blaze with a puff or snap, then shove into the forge dust to cool. There is nothing better. It will also make good revolver springs. —W. J. Carnahan.

The Orchard From Start to Finish.

The following paragraphs represent the best thoughts of many writers on this subject, a consensus of opinion regarding the establishing of a successful orchard.

There can be no successful tree planting without a successful man at the back of it.

You cannot make a thoroughbred out of a scrub, either in animals, plants or trees.

A tree should have plenty of life and vigor at the start in order to make a fair growth the first season.

A good body and a poor head answer about the same purpose on a tree as on a man.

There are more failures in tree planting from failure of the planter than from any other cause.

My advice to a man contemplating the planting of an orchard is not to begin unless he is confident he will do his part for the next ten years.

Don't select a spot that is good for nothing else, but arrange to have something for your trees to live on after they are planted.

The trees should be young and thrifty, better not over two years old.

The transplanting should be done in a careful manner and the soil well packed around the roots without injuring them.

A mulch around each tree will greatly help it the first season. A few forkfuls of old straw manure will answer.

After setting the tree should be annually trimmed, cultivated, fertilized and protected from insects.

Get your trees direct from some reliable nursery. You will thus save half the traveling tree agents price and will get what you order.

A mistake in varieties will be a great one because it will be a long time in finding it out and then cannot remedy it.

Ascertain what varieties are most successful in your locality and take the advice of those having such experience.

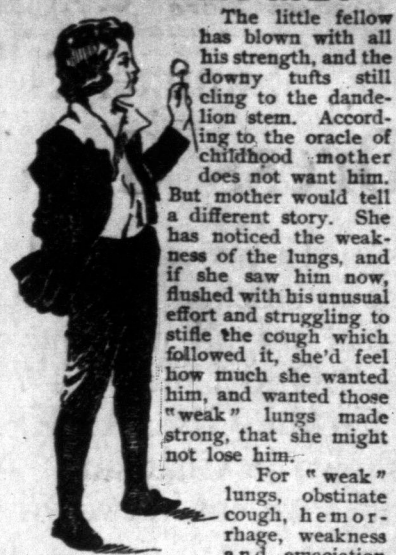
Keep grass and weeds away in the fall so there will be no shelter for mice in winter.

A mixture of root, lime and sulphur made into a paste and rubbed on the tree will act as a preventive of mice, rabbits and borers.

To "him that overcometh" shall go the profits naturally belonging to him who neglects and fails.

A poor family in Boston overlooked a credit of \$40 in a savings bank in 1830, and the matter was forgotten until 1857, when the accumulated amount was \$432.61. It was allowed to remain on, and on May 16, 1901, was \$1,820.10. The interest allowed has gradually been reduced from 7 to 4 per cent.

"DOES MOTHER WANT ME?"



The little fellow has blown with all his strength, and the downy tufts still cling to the dandelion stem. According to the oracle of childhood, mother does not want him. But mother would tell a different story. She has noticed the weakness of the lungs, and if she saw him now, flushed with his unusual effort and struggling to stifle the cough which followed it, she'd feel how much she wanted him, and wanted those "weak" lungs made strong, that she might not lose him.

For "weak" lungs, obstinate cough, hemorrhage, weakness and emaciation there is no medicine so strengthening as Dr. Pierce's Golden Medical Discovery. It is especially valuable for children, building up weak bodies with sound, healthy flesh. It is entirely free from alcohol and narcotics.

Winter before this, my oldest boy (who is now nearly five years old), had a terrible cough; he had it the whole winter and all summer. I writes J. M. Farr, Esq., of Cameron, Screven Co., Ga. "Physicians did him no good and nothing my wife and I could do did him any good. After your 'Discovery' had cured my cough so quickly, when everything else failed, I wrote my wife to bring him back from the country. She having carried him there to see if the change would do him good. We were living in Savannah, Ga., at the time. She brought him back and after giving him your great 'Golden Medical Discovery' for a time, he entirely recovered."

The Common Sense Medical Adviser sent free on receipt of stamps to pay expense of customs and mailing only. Send 31 one-cent stamps for paper-bound book, or 50 stamps for cloth bound. Address Dr. R. V. Pierce, Buffalo, N. Y.

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POINTED PARAGRAPHS.

It's too late to spare when all is spent.

Unless the farmer is given the earth he can do nothing.

Many a man lays down his life in trying to lay up money.

The best way to conquer anger is to give it a dose of kindness.

If you would make time fly give your note in ninety days.

Although coffee is going up, it will probably continue to go down.

While the fool is waiting for an opportunity the wise man makes one.

Nothing succeeds like the success of a man who has a political pull.

When age brings a woman wisdom she begins to sit with her back to the light.

Some people are so fond of worrying that they worry over troubles that are past.

The pork packer has a queer way of doing business. After killing a hog he cures it.

If a young man kisses a girl but once he evidently believes that first impressions are lasting.

There is no danger of a corn famine as long as it is possible to raise several acres to the foot.

A photograph is a machine that talks back, and every married man firmly believes that he got one for a wedding present.

The fact that there are 10,000,000,000 hairpins manufactured in this country annually doesn't prevent a hair from getting into the butter occasionally.

Some people are so good that they object to drinking fountains and smoking cars.

It is not on record that any baggage man has ever succeeded in smashing an elephant's trunk.

The trouble with the Golden Rule is that some people think it ought to be kept in a glass case for fear of wearing the gilt off.

The best wheel of fortune is honest labor.

Many a man's self-conceit is due to his ignorance.

The ice man knows how to make a little go a great weight.

The world is sure to hear from the amateur cornet player.

A painless dentist is one who extracts teeth without pain—to himself.

The earth was made globe shape so that it would be sure to go round.

Some men will do anything to please their wives—except pay their bills.

Real happiness comes from reducing our wants rather than gratifying them.

A conversationalist is a person who talks continuously without saying anything.

The woman who doesn't think some other woman homelier than herself has yet to be born.

It sometimes happens that the man who expresses himself in flowery terms is a blooming clump.

When a woman has no troubles of her own the chances are she will go over to a neighbor's and borrow some.

When you hear a man complaining that he is tired of life the chances are that he has never made any use of it.

When an optimist fails in business he consoles himself with the belief that his failure was due to his conscientious scruples.

CURIOUS FACTS

At the Strozzi Palace, in Rome, there is a book made of marble, the leaves being of marvellous thinness.

The number of playing-cards used in the world is something wonderful.

Germany alone possesses thirty-four playing-card factories, which last year produced 5,200,000 packs.

It is reckoned that the household and personal refuse of all kinds and street sweepings of a town amount to about half a ton annually per head of the population.

Chicago has a bird hospital, the only one of its kind in the world, where sick and wounded birds are received and cared for.

The thirteen Atlantideanles now in use represent a total capital of about \$17,000,000.

In Holland it is the custom for women to wash the china and silver used at breakfast and tea immediately after the meal and in the presence of a fox and a bound belonging to a gentleman in Keweenaw, Me., are affectionate companions, and constantly sport and sleep with each other.

When both were young they were placed together and have ever since continued frolicsome comrades.

Two decades ago the South produced annually but six million tons of bituminous coal. That product has now passed the forty million mark, and of the forty-seven thousand square miles of coal fields in the South, only about one thousand are under development.

Plant a cauliflower plant in Cuba and instead of a head of cauliflower you get a big fat head like a cabbage. It spins up for all the world like a sunflower, three or four feet high, with big, rank leaves and a little flower at the top, that you never could recognize as a cauliflower.

The "cigar bean" of Batavia is a wild fruit recently discovered in Batavia. The pod is like a cigar in shape and color, but only an inch long, and when put into water is sure to explode like a torpedo, hurling the seed in all directions. If allowed to ripen in a warm place the pod gradually splits lengthwise from point to base. If left to ripen on the plant it splits open more suddenly.

The volume of taxation would be considerably greater in Paris but for the fact that many functions which are in New York chargeable to municipal expenses are in the French capital paid for from national appropriations.

Full of Meaning.

The "Sovereign" brand on a lady's shoe means everything a lady has a right to expect in a shoe.

It means style because made on the very latest, most fashionable patterns.

It means fit because made on lasts modelled from real feet—with all the stretch and shrink taken out of the shoes.

It means beauty because "Sovereign" shoes are finished by the best, most up-to-date methods.

It means wear because only first-class materials are put into "Sovereign" shoes and they are put together by the best of all methods, the Goodyear flexible welt process.

For men and women.

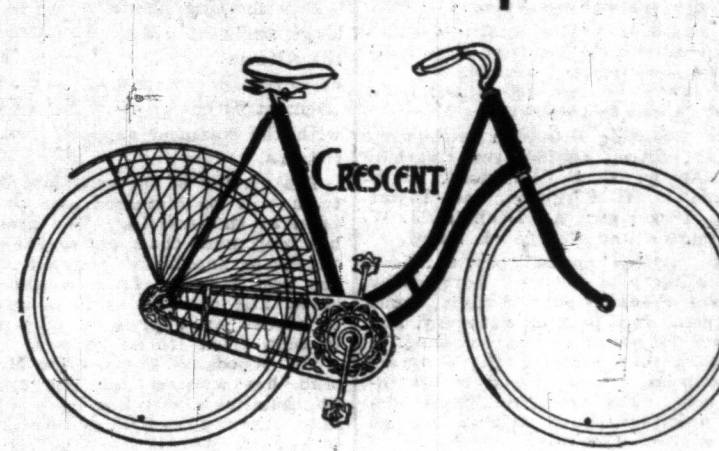
\$3.00, \$3.50 and \$4.00.

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"Sovereign Shoe."

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Ride a Crescent



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