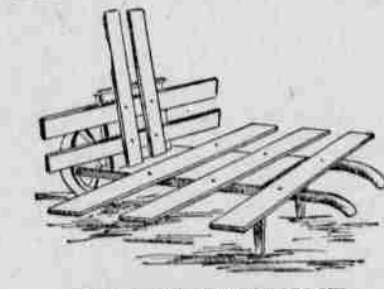




**The Wheelbarrow.**  
The village resident soon comes to find the wheelbarrow a very indispensable article. The cut, which is from the American Agriculturist, shows how one village resident extemporizes a hay rack out of his wheelbarrow when desiring to get into the stable two or three hundred pounds or so of hay. Narrow strips of board are lightly tacked to the surface, as shown, and the hay cart is ready. It will surprise anyone to see the large quantity of hay that one can thus easily and quickly wheel away from his grounds to the



stable. This arrangement is also useful for getting in fodder corn from the garden. Let the stalks first be piled cross-ways of the bottom strips. Then the other way.

**Supplementing Ensilage.**  
There are all kinds of ensilage, varying, of course, with the material put into the silo. There is no magic in the silo to do the nutrition of what is put into it, though it may add to the nutritive value by making it more digestible. Much of the ensilage from corn fodder is deficient in nitrogenous forms of nutrition. It needs to be supplemented, not necessarily with richer ensilage, but preferably with dry food. Instead of trying to ensilage clover, which is difficult because it heats so rapidly, it is better to cure it and feed three to five pounds of good clover hay to all animals whose main ration is corn ensilage. If clover cannot be had, use wheat bran or oats. Both linseed meal and cotton-seed meal may be given with good results to animals fed on corn ensilage. If possible some straw or hay should be given with these to increase their bulk and prevent them from compacting in the stomach. Corn is not a good supplement to corn ensilage, as it also is so largely carbonaceous. But corn and oats ground together and fed with cut hay or straw make a very good supplementary feed.

**Treatment for Apple Choking.**  
The treatment for apple choking outlined and illustrated is said by a correspondent of the Orange Judd Farmer to prove effective and never cause injury. Fig. 1 is made of 9/16-inch round iron, the ends being 5 inches apart, the frame 12 inches in length from the small loops at the end to the handle. The ring near the center is 3 by 5 inches

FIG. 1. FIG. 2. welded to the side pieces. Put a small cord through the end loops, slip the ring into the cow's mouth and fasten the cord over the head. Turn the handle down under the jaw, which will open the mouth, and the cow can then be held without further trouble. If the apple is not far down, it can be removed with the hand. The cow cannot bite or throw her head around if the handle is held firm. If the apple is too far down to remove by hand, take a rubber hose, Fig. 2, start through the ring and push the apple clear down into the stomach.

**Farm More Intensively.**  
Experience and necessity force changes in methods that would not occur but for the failure to secure profit where no difficulty previously existed. In England, where the system of farming is on the intensive plan, dairymen are abandoning pasture. They are discovering that more food can be grown on the pasture land than can be secured from the grass and hay, and that by a succession of green crops they can derive better foods than can be had from grass. There is more labor required, but the products are larger and the profits greatly increased. Root crops and soiling enable the English to pay high rents, and the methods they adopt are the result of years of experience. In this country dairymen will find it to their advantage to grow green food as well as grass, and utilize roots as well also, as a protection against drought and unfavorable conditions. To meet low prices for farm products the crops on every acre must be larger and also utilized in the best manner.

**Storing Roots in Pits.**  
The proper way to keep all roots in is out-of-door pits, and as much as possible excluding air from them. Some kinds of roots, as turnips, rutabagas and carrots, do not easily freeze, but all are injured by exposure to the air. When we grow potatoes largely we always stored most of what were not

sold in the fall in pits. This is especially important for the potatoes required for seed. While the ground was still frozen we covered the potato heaps with straw, so as to keep it frozen as long as possible. Potatoes that can be kept from sprouting until planting time produce much the best crops.—Exchange.

**Care of Grain Drills.**  
The grain drill is quite too expensive to be allowed to remain out of doors exposed to the weather when not in use. It should be carefully cleaned from all dirt, and those especially with a fertilizer attachment should be scoured to take off the rust from use, and then coated with grease to prevent the air from getting to the metal. Most grain drills rust out rather than wear out. They are used, even where fall grain is sown, only a few days in the spring and fall, and ought to last a lifetime with few repairs, if they are properly sheltered when not in use.

**Feeding for Milk.**  
Feeding the cows to increase the flow of milk should not entail additional expense if the farmer uses judgment in proportioning the various foods. If grain, linseed meal and other concentrated foods are given in excess, the digestion may be impaired, and if hay is mostly given the animals will be compelled to eat large quantities of it to secure the desired nourishment. Foods should consist of both concentrated and bulky substances, regulating the proportions according to the conditions and circumstances.

**Exercise for Cows.**  
The cow which is bearing young or giving milk is not naturally a frisky animal. We never believed that she required much exercise. Most times when we have turned them out while cleaning their stables, instead of running about, the cow will be seen cuddled close to the stack to shelter herself from cold winds. It is still worse when rain is falling. The cow then needs shelter rather than exercise, and can keep warm standing still in her stable better than she can while water is being evaporated from her skin.—American Cultivator.

**Securing Early Lettuce.**  
The outdoor crop of spring lettuce may be made several days earlier by sowing the seed in some sheltered place late in fall. It is not likely that if sown now any of the lettuce will come up this fall. A few leaves scattered over the bed will keep the seed from injury, and it will sprout and grow with the first warm weather in spring. Almost every one has seen self-sown lettuce on the beds where it was grown and went to seed the previous year. It is much more forward than spring-sown lettuce can be had in the same locality.

**Banish the Curry-Comb.**  
The curry-comb is an instrument of torture that should be banished. In some stables a great improvement upon it is a large wisp of straw, twisted tight, tied into a knot, and pounded flat on one side. The flat side is used in grooming, after being slightly dampened. It is much better for the skin and hair than the curry-comb, removes dust well, and gives the animal a glossy, healthy coat. Brisk rubbing with soft woolen cloths is excellent for giving the hair a silky, glossy appearance, and is an excellent thing for the skin.

**Fall-Planted Trees.**  
As fall rains are coming on some care is needed to trees lately planted. Very often the earth used to fill around the trunk sinks away, leaving a hollow, which carries the rains down among the roots. As these in newly planted trees are dormant during winter, this water does them much injury. It is always best to draw up earth around newly planted trees. This is a protection against attacks of mice if the earth is closely compacted. The earth should be pulled away from the trees in the spring.

**Grain Cheaper than Hay.**  
If given with enough hay or straw or cornstalks to distend the stomach, grain is better feed than hay, because more easily digested. In the coarser fodder so much of the nutrition goes to sustain animal heat or the processes of digestion, that comparatively little is left to make flesh or milk or fats. The knowledge that some grain with hay makes cheaper nutrition is not half so widely extended as it ought to be. If it were, there would be a better demand for grain, and it would sell at better prices.

**Plant Watering.**  
Watering is the most important operation in connection with plant growth. Plants grown in rooms are benefited by an immersion in water at the same temperature as the room for about ten minutes once a week. Water should never be given before needed, neither should plants be allowed to become surface-watered. Rain-water is the best for all purposes. The best time for watering plants during summer is the evening, but in winter morning should be chosen for the work.

**Supplies of Horse Radish.**  
Any one who has even a small piece of ground may keep supplied with horse radish. Once planted it is not easily eradicated, and there is more likelihood that there will be too much of it rather than too little. It is good from the time its leaves are cut by frost until the new shoots put forth in spring. It is hard digging frozen ground, so a supply for home use should be dug each fall. It is much better and stronger if grated just before it is to be used.

**Fall Plowing in Ridges.**  
If land without sod is fall plowed it should be in ridges, with a dead furrow so placed that it will carry off the water. Otherwise the fall plowing may leave the land so wet that it will take a long time in spring before teams and harrows can be put on it.

**THE CARETAKER.**  
Caretaker is a word adopted into modern use and means one who takes care of, and is very generally applied to those employed to take care of things committed to their keeping. The way some people have of taking care of themselves is very suggestive of the need of a caretaker. The human body to such is a mansion filled with precious things uncarved for, where thieves may break in and just doth corrupt. Pains and aches are thieves, and the body left uncarved for to their spoilage will be robbed of all its comforts and despoiled of its peace of mind and happiness. It is a happy thought to look upon St. Jacobs Oil as a caretaker, to employ it as a watchman against such intruders. There is hardly an ache, from a toothache to a toeache, that it can't take care of and effect a cure, and pain the most violent are conquered by its use. Its office as a caretaker is to prevent the spread of aches and pains into a chronic stage. Keep a bottle of it in the handiest place and be assured of good care and comfort.

There are more than 500 ordained women preachers in the United States, not including the numerous preachers of that sex.

**MISERY BY THE WHOLESALE.**  
Is what chronic inactivity of the liver gives rise to. Bile gets into the blood and imparts a yellow tint, the tongue fairs, and so does the breath, sick headaches, pain beneath the right ribs and shoulder blade are felt, the bowels become constipated and the stomach disordered. The proven remedy for this catalogue of evils is Hostetter's Stomach Bitters, a medicine long and professionally recommended, and sovereign also for chills and fever, nervousness and rheumatism.

In the period 1882 to 1894 the criminal record in the German empire increased 23 per cent, or 12 per cent more than the population.

**HOW'S THIS?**

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Toledo, O.  
We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

A man who is fond of figures affirms that in battle only one ball in 85 takes effect.

My doctor said I would die but Pisco's Cure for consumption cured me.—Anson Keiser, Cherry Valley, Ill., Nov. 23, '96.

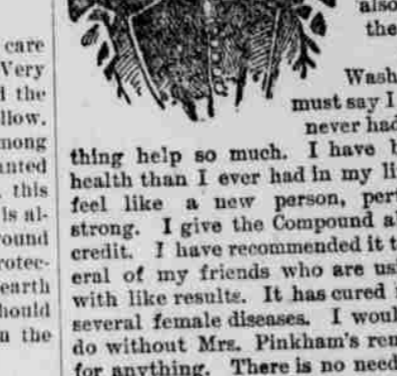
Japan is about to send a lot of experts to this country to teach the people how to make tea.

The speed of the fastest Atlantic steamer is now greater than that of the express trains on Italian railways.

**ABOUT CHANGE OF LIFE.**

"I suffered for eight years, and could find no permanent relief until one year ago. My trouble was Change of Life. I tried Lydia E. Pinkham's Vegetable Compound, and relief came almost immediately. I have taken two bottles of the Vegetable Compound, three boxes of Pills, and have also used the Sanative Wash, and must say I have never had anything help so much. I have better health than I ever had in my life. I feel like a new person, perfectly strong. I give the Compound all the credit. I have recommended it to several of my friends who are using it with like results. It has cured me of several female diseases. I would not do without Mrs. Pinkham's remedies for anything. There is no need of so much female suffering. Her remedies are a sure cure."—Mrs. ELLA KNICK, Knightstown, Henry Co., Ind.

By the way, the leading druggists tell us that the demand for Lydia E. Pinkham's Vegetable Compound is simply beyond their power of understanding; and, what is best of all, it does the work promptly and well.



When you feel that soreness in your back, that dull pain near your kidneys, it is time to do something for yourself, for these symptoms are serious indications of a growing disease in the most vital functions. Get Dr. Sander's Electric Belt at once. It will cure you.

**SANDER'S ELECTRIC BELT CO.**  
253 West Washington St., Portland, Or.  
Please mention this Paper.

**YOUR LIVER** Is it Wrong? Get it Right. Keep it Right. Moore's Revealed Remedy will do it. Three doses will make you feel better. Get it from your druggist or any wholesale drug house, or from Stewart & Holmes Drug Co., Seattle.

**CHILDREN TEETHING.**  
Mrs. Winkler's Soothing Syrup should always be used for children teething. It soothes the child, softens the gums, allays all pain, cures wind colic, and is the best remedy for diarrhoea. Twenty-five cents a bottle. It is the best of all.

**PISCO'S CURE FOR CONSUMPTION.**  
CURES WHERE ALL ELSE FAILS.  
Best Cough Syrup. Tastes Good. Use in time. Sold by druggists.



Robert Hichens, whose "Flames" produced a momentary sizzle as it dropped into the ocean of fiction, has written another novel. It bears the title, "The Londoners."

Miss Violet Hunt's novel, "Unkist, Unkind!" named after a phrase from Peele, is shortly to appear. The same is true of Mrs. Manning Caffyn's "Miss Becher," a social study.

James Otis, the industrious maker of juvenile tales of adventure, sends out two historical stories for boys this season. They are called "The Boys of Fort Schuyler" and "The Signal Boys of '75."

J. Edward Newberger of Chicago is the author of a thoughtful pamphlet on "The Development and Growth of Interference by the Federal Courts in Controversies Between Master and Servant."

James Schouler, having finished the manuscript of his "Constitutional Studies," has turned his attention to the long promised sixth and concluding volume of his "History of the United States," embracing the period of the civil war. It is hoped that this will be ready for publication next year.

Ernest Daudet, with the untiring literary activity that distinguishes him, is at work on several books. The first to appear in all probability will be a volume dealing with the Duc d'Anjou, and consisting largely of personal reminiscences. M. Daudet having been on intimate terms with the late Duke.

Emile Zola's "Paris," announced as among the forthcoming publications of the current season, will not appear in book form until early in 1898. The translator has entered into an agreement with one of the leading London weeklies for its serial issue in Great Britain. The volume will be slightly shorter than "Lourdes," and will be divided into five books, each of five chapters. Mr. Vizetelly says: "It will probably come as a surprise to the critics and readers of M. Zola's more recent works. It will be a genuine novel, with no dissertations and no digressions. From first to last it will be brimful of life and action, at the same time presenting a laudible picture of all classes of the Parisian community at the end of the nineteenth century."

A friend who has recently visited S. R. Crockett at St. Andrews, says of him: "He has two type-writing machines of unusual size and strength that he had made especially for his own use at a cost of \$500 each, and he works on these at lightning pace. But that is not all—he will carry on a general conversation with a roomful of people while he is writing out a story on the machine. Now, I have heard compositors talk while setting type, but they were merely copying, whereas Mr. Crockett was writing out original matter. Usually he works alone, beginning at about 5 o'clock in the morning, and when he comes down to breakfast at 9 he has 5,000 words written out. He seems to be inexhaustible and is certainly indefatigable. He is six feet four inches tall, weighs 280 pounds, and is as nimble as a cat."

Gen. Lew Wallace has been silent since the publication of his "Prince of India." The announcement of a new book from his pen is, therefore, news indeed. It is called "The Wooing of Malkatoon; Commodus," and contains two poems, with illustrations by F. V. DuMont and J. R. Wegelin. "The Wooing of Malkatoon" is a love story, the scene of which is in the Orient. The hero, a chivalrous youth, while on the chase, meets his fate. Acting under conditions imposed by the maid's father, he goes forth into the world to do and dare that which will secure him her hand. "Commodus" is a play founded upon a dramatic incident in the time of Rome's greatest power and glory. Maternus, a slave who had liberated himself, gathered about him a band of freebooters that finally reached Rome. Maternus being slain after a vain attempt to kill the Emperor and capture the throne.

**Chrysanthemum.**  
Perfection of chrysanthemum culture is to have them retain their leaves healthy as long as possible. If the plants lose their leaves early the bloom will be small. Sometimes the lighter leaves are attacked by a parasite fungus which causes them to drop off early. On the first appearance of the parasite the leaves should be syringed with copper sulphate solution. Sometimes these attacks are encouraged by allowing the leaves to become weak for want of good food, for, although it is not impossible for fungus parasite to attack healthy vegetation, it is also true that they attack themselves more readily when the plant is weak. Manure water, or a surface dressing of manure, is the precaution to be taken against this result. Again, leaves are frequently weakened by allowing the plants to become too dry. Careful cultivators can easily guard against this. On the other hand, stagnant water in the earth is also injurious. This means that, to have healthy plants, the pots or boxes in which they are grown should be so arranged that the water can pass readily away.—Meehan's Monthly.

**Costly False Teeth.**  
A Madras dentist, it is announced, received a sum of £700 for supplying His Highness the Nizam of Hyderabad with a row of false teeth.

Some women go visiting on mighty slight provocation.

**\$2000.00**

says "It is worth a great deal to us to have you try Schilling's Best baking powder and tea."

Money-back says "We have a great deal of confidence in your good faith and in Schilling's Best baking powder and tea."

Schilling's Best baking powder and tea are because they are money-back.

What is the missing word?—not SAFE, although Schilling's Best baking powder and tea are safe.

Get Schilling's Best baking powder or tea at your grocers'; take out the ticket (brown ticket in every pack of baking powder; yellow ticket in the tea); send a ticket with each word to... as below before December 31st.

Until October 15th two words allowed for every ticket; after that only one word for every ticket.

If only one person finds the word, that person gets \$2000.00; if several find it, \$2000.00 will be equally divided among them.

Ever, one sending a brown or yellow ticket will receive a set of cardboard creeping babies at the end of the contest. Those sending three or more in one envelope will receive an 1898 pocket calendar—no advertising on it. These creeping babies and pocket calendars will be different from the ones offered in the last contest.

Better cut these rules out.

Address: MONEY-BACK, SAN FRANCISCO.

The toothache excuse for absence from duty does not work in the post-office service in Switzerland. They have government doctors to pull the offending molars.

One of the most curious results of the investigations made by doctors in the Russian jails is the statements that each group of criminals has its own peculiar color of the eye.

Egypt's population, according to the census just taken, is 9,700,000, an increase of 2,000,000 since 1882, or about 42 per cent in 15 years.

Japanese officers who fought in the late war against China have petitioned their government to erect a monument to the memory of the horses that fell in battle.

**HOME PRODUCTS AND PURE FOOD.**

All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from sugar cane and is strictly pure. It is for sale by first-class grocers, in cans only. Manufactured by the PACIFIC COAST SYRUP CO. All genuine "Ten Golden Drops" have the manufacturer's name lithographed on every can.

A pound of the finest spider web would reach around the world.

**AN OPEN LETTER TO MOTHERS.**  
WE ARE ASSERTING IN THE COURTS OUR RIGHT TO THE EXCLUSIVE USE OF THE WORD "CASTORIA," AND "PITCHER'S CASTORIA," AS OUR TRADE MARK.

I, DR. SAMUEL PITCHER, of Hyannis, Massachusetts, was the originator of "PITCHER'S CASTORIA," the same that has borne and does now *Chas. H. Fletcher* on every bear the fac-simile signature of *Chas. H. Fletcher* wrapper. This is the original "PITCHER'S CASTORIA," which has been used in the homes of the mothers of America for over thirty years. LOOK CAREFULLY at the wrapper and see that it is the kind you have always bought *Chas. H. Fletcher* on the and has the signature of *Chas. H. Fletcher* wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President.

Do Not Be Deceived.  
Do not endanger the life of your child by accepting a cheap substitute which some druggist may offer you (because he makes a few more pennies on it), the ingredients of which even he does not know.

"The Kind You Have Always Bought" BEARS THE FAC-SIMILE SIGNATURE OF

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Insist on Having  
The Kind That Never Failed You.

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Pure, Delicious, Nutritious.  
Costs Less than ONE CENT a cup.  
Be sure that the package bears our Trade Mark.  
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Thousands of happy men pronounce this work the means of their physical salvation. It gives the latest scientific facts concerning marriage.  
It describes the only known method of attaining fullest natural manly vigor.  
It points out Home Treatment for all excesses and sexual disorders.  
It shows how to cure nervousness, "hopelessness, despondency."  
One copy of "COMPLETE MANHOOD AND HOW TO ATTAIN IT" sent free, in plain wrapper, sealed securely, to the address of any sincere inquirer, by the Erie Medical Company, 64 Niagara St., Buffalo, N. Y.

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