

St. Jacobs Oil cures Rheumatism.
 St. Jacobs Oil cures Neuralgia.
 St. Jacobs Oil cures Lumbago.
 St. Jacobs Oil cures Sciatica.
 St. Jacobs Oil cures Sprains.
 St. Jacobs Oil cures Bruises.
 St. Jacobs Oil cures Soreness.
 St. Jacobs Oil cures Stiffness.
 St. Jacobs Oil cures Backache.
 St. Jacobs Oil cures Muscular aches.

Washwoman's Help.
 A Minnesota woman has invented a boiler, having a wire basket carried by a flanged ring, which rests on the top of the boiler, the basket inserted before the clothes are put in and lifted out when the clothes have boiled sufficiently, bringing all the garments with it.

Rheumatism

Is caused by acid in the blood. Hood's Sarsaparilla neutralizes this acid and cures the aches and pains of rheumatism. Do not suffer any longer when a remedy is at hand of which thousands of people say it has caused all symptoms of rheumatism to disappear.

Hood's Sarsaparilla
 Is America's Greatest Medicine. Price, \$1.

Hood's Pills cure sick headache. 25 cents.

Indicator on Guns.
 An indicator has been designed for repeating arms which will show at a glance whether the shells are all discharged, and how many loads there are in the gun, a numbered cylinder being carried by the stock to revolve one number as the mechanism is operated to bring a shell into the firing chamber.

Schilling's Best tea

sold only in Packages

Taking all the year round, the coldest hour of the 24 is 5 o'clock in the morning.

THE ALLEN'S FOOT-EASE.
 A powder to be shaken into the shoes. At this season your feet feel swollen, nervous and uncomfortable. If you have smarting feet or tight shoes, try Allen's Foot-Ease. It rests and comforts; makes walking easy. Cures swollen and sweating feet, blisters and callous spots. Relieves corns and bunions of all pain and is a certain cure for Chilblains, sweating, damp or frosted feet. We have over thirty thousand testimonials. Try it today. Sold by all druggists and shoe stores for 25c. Trial package FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

The least distance of Mars from the earth is about 36,000,000 miles, and that of Venus 24,000,000.

No household is complete without a bottle of the famous Jesse Moore Whiskey. It is a pure and wholesome stimulant recommended by all physicians. Don't neglect this necessity.

Jewels to the amount of \$180,000,000 have been imported in this country in the last 25 years.

COULD NOT SLEEP.

Mrs. Pinkham Relieved Her of All Her Troubles.

Mrs. MADGE BARCOCK, 178 Second St., Grand Rapids, Mich., had ovarian trouble with its attendant aches and pains, now she is well. Here are her own words:

"Your Vegetable Compound has made me feel like a new person. Before I began taking it I was all run down, felt tired and sleepy most of the time, had pains in my back and side, and such terrible headaches all the time, and could not sleep well nights. I also had ovarian trouble. Through the advice of a friend I began the use of Lydia E. Pinkham's Vegetable Compound, and since taking it all troubles have gone. My monthly sickness used to be so painful, but have not had the slightest pain since taking your medicine. I cannot praise your Vegetable Compound too much. My husband and friends see such a change in me. I look so much better and have some color in my face."

Mrs. Pinkham invites women who are ill to write to her at Lynn, Mass., for advice, which is freely offered.



MACHINERY
 For Mills, Mines, Shops and Farms; Steel Logging and Hoisting Engines; Hoe Chisels
 Tooth Saws, Albany Grease, etc.

TATUM & BOWEN
 27 to 35 First Street Portland, Or.
 34-36 Fremont Street, San Francisco.

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

NAVIGATING A COW.

A Cape Cod Captain's Way of Keeping Her on the Desired Course.

A writer in the Outlook tells the following: When I was down on Cape Cod last summer I heard an amusing story about an old sea captain and his cow. Capt. Patterson, after sailing the sea for more than forty years, finally retired to a little farm near Barnstable, where he settled down with a horse, cow and two of three dozen hens. His cow, though a lank and rather stubborn creature, was said to come from very good stock, and when the Barnstable people took it into their heads to have a fair Capt. Patterson determined to exhibit his cow.

But when the day came for driving her to the grounds the cow showed that she had a mind of her own, and would not budge a step beyond the gate. In vain the old captain tugged at the rope, pummeled her sides and pushed her flanks. Capt. Patterson's patience was very nearly gone, when suddenly an idea occurred to him. Though he was not strong enough himself to force the cow to go to the fair, his training suggested something that was. Tying the cow to the gate-post, he went up into the loft of his barn and threw down an old sail stepped to a dory mast. Then he put a horse's blanket belt through an iron ring, strapped the belt around the cow, inserted the end of the mast in the ring, and bound the mast to the side of the cow with some fifty feet of rope.

The wind blew "quartering," and when the captain untied the cow and raised the sail the canvas swelled out over the cow's back and away she went "sidling" down the road, mooring and lunging, and trying to stop herself in vain. Capt. Patterson seized her tail, and, using it as a rudder, guided her skillfully in the right direction. With every fresh puff of wind the obstinate cow would be hurried along faster, while the dust blew up in clouds, and the sail flapped and tugged, as Capt. Patterson held to the main-sheet with one hand and the cow's tail with the other.

It was a hard voyage for both of them, but not a long one; and when they came in sight of the fair ground everybody ran out to see the remarkable sight of a cow being sailed through the streets like a ship. Cheers and laughter filled the air, and when the captain finally whirled his cow around at the gate of the fair ground and brought her neatly "up into the wind," the shout that arose might have been heard two miles away.

Unfortunately, Capt. Patterson's cow did not take one of the prizes for blooded stock, but the captain himself was given a special prize by the fair commissioners for "the best device for getting balky cattle to market."

TRUMPET CALLS.

Ram's Horn Sounds a Warning Note to the Unredeemed.

SATAN has never outwitted God. Opinions cannot overthrow facts. Laziness and dirt never quarrel. Shingle your house before you plaster it. A bad man's hate is a good man's reputation. The root of all evil is the cause of much digging.

No man ever stumbles over an object in his rear.

Facts never blink under the sunlight of evidence.

It takes a windy man to blow his own trumpet.

Hope is a staff in the morning, and a couch at night.

You can throw a ten-pound stone farther than a feather.

The last blow brings the crash, but all that went before were needed to fell the tree.

Some men say they must see Jesus before they will let Him cure them of their blindness.

The price of the admission to "good society" is frequently the loss of the society of Jesus.

It is an awful thing to pray, "Thy kingdom come," unless you are ready to meet the King.

The man who boasts of his virtues has to boost them up in order that they may be seen.

The cobbler sets us all a good example; as long as he lasts, he uses his awl to save the soles of his fellow-men.

Dupes.

Millions are made annually out of dupes who invest their money in schemes for acquiring sudden riches. The millionaires have so long a lead that the only way to catch up with them is to make fortunes in a day. Silgo Bay cost Philadelphia tons of money. Barrels have been wasted in the search for the "Lost Rocker," or the Lake of the Golden Bar. The South Sea Bubble nearly wrecked England. The "Mississippi Scheme," or "The System," depleted nearly all the stockings in France. Kidd's treasure still talks money out of the pockets of these hurry-up fellows. Montezuma's hoard has cost several fortunes. Hundreds of thousands of pounds sterling have been invested in the scheme to dig from the bottom of the Red Sea the vast treasures lost by the hosts of Pharaoh. There are other schemes too numerous to bother with.

Under the head of current literature a household magazine prints instructions for making a cheap medical battery.

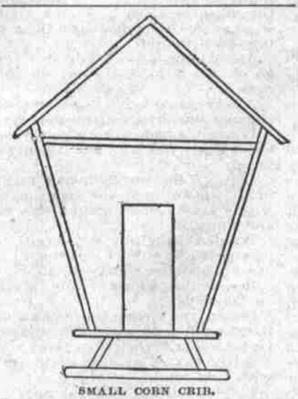
No men have more shortcomings than those who are always behind time.



Corn Cribs.

There is more loss and waste for want of safe corn cribs on the farms than by any other neglect to ensure safety from small vermin. Rats, mice and those insects which ravage this grain, will frequently do more damage than would pay the interest on the cost of the best and most substantial cribs to store it in. In the warmer part of the United States there are two species of insects, either of which will destroy a full half of the corn every year by laying their eggs on the grain, and the grubs will eat the grain into holes, several of these holes frequently being found in each grain.

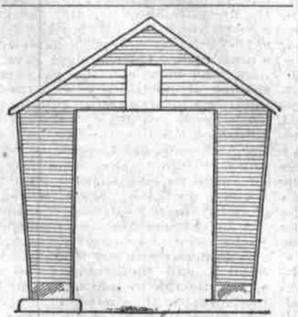
In the first illustration is given a plan of the frame of a small crib to hold from two hundred bushels to as many



SMALL CORN CRIB.

more as may be needed. The crib must not be too wide, and full opportunity must be given for the wind to pass through to dry the ears and prevent heating of the new grain. This crib is set on posts as shown, and is covered on both sides with lath laid lengthways. The upper part may be used as a loft for storing a surplus when needed. The top of each side should be closed in, as the sides are. It is a profitable measure of safety to cover such a crib as this inside with fine wire gauze, with such a small mesh as will keep out the grain moths. Where the danger from these does not exist, the quarter-inch wire net will keep out the mice and rats.

The second picture shows a double crib with a driveway between the two sides. The cribs should not be more



DOUBLE CORN CRIB.

than five feet wide, so that the air may pass through to dry the corn thoroughly. The floors of each crib should be made of narrow boards with half-inch spaces between them, and these spaces protected with wire net.

Keeping Teams Busy.

One of the hardest tasks of the small farmer is to keep the teams that he is obliged to own busy all times of the year. There are many times, in winter especially, when the weather is unfit for out-of-door work, and then both men and teams are necessarily idle. But if all the good weather is used, the team can be made profitable even during the winter. On a sleigh with smooth track larger loads can be drawn than can be on wagons, and with less labor to both team and loader. Loads of manure can be drawn from cities if a contract has been made for it in advance. The market gardeners secure most of this manure, for they contract to take it every month through the year, which most farmers who are busiest in the summer cannot afford to do.

Valuable Linctent.

Let every farmer when he butchers his beef be sure and save the gall, as it makes one of the most valuable linctents for man or beast. Put gall in a

bottle large enough to hold alcohol enough to cut the gall, set in any warm place, let stand three days, shake it a few times, and it is ready for use. Good for burns, cuts or bruises of any kind. If in hot weather, apply liniment at once to the fresh wound. It needs no bandage, as a fly will not come near.

Clover Is Best as Hay.

It requires more labor to cut clover for the silo than it does to cut corn, as the gum in the clover stalks dulls the knives and prevents rapid work. The further fact that clover is harder to keep in best condition as silage, and that some dry feed is always needed when clover is fed, ought to be sufficient to decide that the clover growth on a farm should always be fed as hay. The ensilage corn is apt to make stock too laxative when fed with it. The clover is dry and nutritious; and is just the kind of feed to give with ensilage.

Agricultural Co-operation.

The Home Industrial Association, with a capital stock of \$10,000, has been organized by a company of Richmond and Wayne County (Ind.) men. The stock is divided into shares of \$100 each, and no member can hold more than one share. The company was organized to test the experiment of co-operative agriculture and horticulture work, and land has been secured, and the work on a dairy and creamery is in progress. Bee culture, truck gardening and the culture of small fruits and berries is to be started in the spring. The promoters of the scheme expect to inaugurate a general system of co-operation, and to start branches in other States, with headquarters in Richmond.

Slow-Ripening Cheese.

The anxiety of cheese-makers to have their cheese come early into market induces them to make a soft porous cheese into which air easily enters, and which consequently ripens early. But cheese thus made cannot be kept for a long time without having its quality much deteriorated. If a larger proportion of cheese was pressed thoroughly so as to have a firmer texture, it would keep until times when there is little good cheese in market, and higher prices could be obtained for it. But the firm cheese has so much less moisture than the porous cheese that the price does not pay the maker.

Lamp on Jaw.

This is a disease peculiar to cattle. It is not contagious and does not affect the milk as long as the cow keeps in good condition. This disease, if not checked sooner or later, affects the teeth, interfering with mastication, and the animal loses flesh, and in time will die. Treatment: Mix 2 drams biniodide of mercury with 2 ounces lard and rub on a little once a week; also, give the cow 1 dram tincture of potassium in a bran mash, morning and night, and continue it for three weeks.—Orange Judd Farmer.

Carbonic Acid Gas in Soils.

The air in all soils contains a much larger proportion of carbonic acid gas than does that in the atmosphere above. It is largest, of course, in soils that are full of vegetable matter whose decomposition liberates it. This gas has an important effect in keeping mineral fertility soluble. So far as soil is concerned, it is the best solvent known. This is the reason why phosphate does so much more good on soils full of vegetable matter than on a sandy or gravelly soil that is nearly bare of vegetable matter.

Keeping Apples.

All bruised apples will rot, and it will pay to examine the barrels, so as to discard all that are affected, as a single rotten apple in a barrel will gradually affect the whole. In handling the apples when picking them over care must be exercised not to injure them while so doing. Any apple with a broken skin is liable to rot. They should be kept in a temperature just above the freezing point.

Castor Beans as a Crop.

The castor bean is quite commonly planted in many yards for its fine foliage, which produces among our native flowers a fine tropical effect. Even here if planted early many of its seeds will ripen. But in some of the States, as Missouri and Arkansas, the castor bean is planted for its seeds, which are ground and the oil expressed. The plant requires very rich land to make a success of the crop.

Falling Off in Milk.

Many dairymen are disappointed at the beginning of winter because the cows fall off in milk. This is due usually to the sudden change from green to dry food. Any change made should be gradual, by feeding dry food before winter sets in, increasing the dry food daily until the cows are given the larger proportion of it. When ensilage can be used the shrinkage is less than without its use.

"Yes, sir," said the man in Cell 711, "time was when I was admitted to the very best houses." "And what brought you here?" "They caught me coming out."—Tit-Bits.

Bacon—What do you think of the war so far? Egbert—Well, I think if the American eagle isn't honore it must have an unusually strong throat.—Yonkers Statesman.

DON'T DELAY...

In securing the COLUMBIA AGENCY for 1909, one day's delay may result in your competitor getting it. We are the only bicycle house having a delivery point in the Northwest. Prompt delivery of all orders assured. Dealers who handle the COLUMBIA and HARTFORD line will have a double advantage over others who do not. We have improved the quality of our products, while our increased output enables us to reduce our prices, as follows:

Columbia Chainless.....\$75 00
 Columbia Models 57-58.....\$60 00
 Columbia Models 45-49, '98 pattern, '99 line improvements.....\$40 00

POPE MANUFACTURING CO.,
 Controlling Oregon, Washington, Montana and Idaho.



Columbia Model 49, \$40.

Hartford, or sent in plain wrapper, \$35 00
 Vendors, Strictly Up-to-Date.....\$25 00
 We job bicycle sundries.
 Write for terms and discounts.

POPE MANUFACTURING CO.,
 132-84 Sixth St., Portland, Or.

The Pope Has No Debts.
 Pio Nono bequeathed to the church 6,000,000 francs in gold. Leo XIII has already doubled that sum, which is deposited among various European banks. The holy see has no debts, those which existed having been paid by the present pope.—Albany Argus.

The Enormous Gold Product of 1898.
 From South Africa, the Klondike and Australia gold is being shipped in large quantities. This year's output will nearly double that of any previous twelve months. The sales of Hostetter's Stomach Bitters are also increasing very fast. This famous remedy will cure dyspepsia, indigestion, constipation, nervousness and weakness.

The Japanese are, as a race, so small that it is necessary to build specially low bicycles for them.

There is in the constellation Andromeda a star visible to the naked eye which the smallest telescopes show to be double. Seen through a powerful instrument, it is found to be triple.

Follow It Up.

Sit down and cool off suddenly, and then regret it, for stiffness and soreness is bound to follow. Follow it up with St. Jacobs Oil and you will have nothing to regret from a prompt cure.

A Texas woman has patented a new toy for children, consisting of a jack-in-the-box to be released from the box by striking the spring catch with a ball attached to an elastic cord.

HOITT'S SCHOOL FOR BOYS.

Now at Burlingame, will remove to its beautiful new home at Menlo Park, San Mateo County, Cal., and re-open January 10th, 1899. Address Ira G. Hoitt, Ph. D., Menlo Park, Cal.

There are 110 mountains in Colorado whose peaks are over 12,000 feet above the ocean level.

When coming to San Francisco go to Brooklyn Hotel, 238-242 Bush street, American or European plan. Room and board \$1.00 to \$1.50 per day; rooms 50 cents to \$1.00 per day; single meals 25 cents. Free coach. Chas. Montgomery.

There are houses still standing in Nuremberg, Bavaria, that were built in 1080.

To Cure a Cold in One Day
 Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure. 25c.

Waltham has joined several other Massachusetts cities in adopting a curfew ordinance.

FITS Permanently Cured. No other nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE 64-page trial bottle and treatise. DR. R. H. KLINE, 1530 Arch Street, Philadelphia, Pa.

"Anglosaxonia contra mundum" is a late neo-Latin coinage.

AGENTS WANTED.

DIATOMS—Vegetable and metallic, a freak of nature, noted as the best Polish in the world for silver, gold, brass, etc., sent in quantity sufficient for years, for 25 cents P. O. stamps. It is infusorial and cracks in stoves may be repaired with it. Address, R. H. BALLINGER, 90 Mutual Life Building, Seattle, Wash.

Piso's Cure for Consumption has saved me large doctor bills.—C. L. Baker, 4228 Regent St., Philadelphia, Pa., Dec. 8, '95.

The California woodpecker will carry an acorn thirty miles to store it in its nest.

Established 1780.

Baker's Chocolate,

celebrated for more than a century as a delicious, nutritious, and flesh-forming beverage, has our well-known Yellow Label on the front of every package, and our trade-mark, "La Belle Chocolatiere," on the back.

NONE OTHER GENUINE.

MADE ONLY BY
WALTER BAKER & CO. Ltd.,
 Dorchester, Mass.

A SWORN STATEMENT.

I, C. R. Rollins, M. D., of Grass Valley, Or., voluntarily make the following statement: After having my teeth extracted I have had five sets made at intervals of about nine months, three in Portland, one in San Francisco and one in Spokane. With neither of these have I been able to eat a meal's worth of ripe apples or any other fruit. On December 1888, I had my sixth set made by Dr. Stryker, I. O. F. Temple, First and Alder, Portland, Or., and within twenty minutes after the time they were put into my mouth I was able to eat a common hard winter apple and a piece of dried venison, and at this time, December 1888, have eaten every meal since with the greatest comfort and with no trouble at all. I have never had a tooth satisfactory in every respect.

References: French Bros. Bank, The Dalles, Or.; Shorman Co. Bank, Wasco, O. D.; Wm. Holder, Sheriff of Sherman Co.; Dr. A. S. Nichols and Brother, Portland, Or.

Subscribed and sworn to before me this 18th day of December, 1888.
 JOHN OGLEBEE, Notary Public for Oregon.

WILLAMET IRON WORKS

MANUFACTURERS OF

ENGINES, BOILERS

Saw Mill and Mining Machinery.

Dealers in Flour Mill and Grain Cleaning Machinery and Supplies. Repairing Promptly Attended to.

WORK THE BEST. PRICES THE LOWEST.PORTLAND, OR.

BIG CURE YOURSELF!

Use Big C for unnatural discharges, inflammation of mucous membranes, irritations, and not settling. THEVIAN CHEMICAL CO. sent or poisonous.

Sold by Druggists, or sent in plain wrapper, by express, prepaid, for 75c, or 3 bottles, \$2.75. Circular sent on request.

N. F. N. U. NO. 53-1908.

WHEN writing to advertisers please mention this paper.

Seems to Get Ripe.
 One complaint seems to get ripe in autumn, and that is neuralgia. To soothe the pain, strengthen the nerves and rid the system of it, use St. Jacobs Oil, the best known cure.

A handy device for hanging clothes is formed of a ring to be screwed to the top of a post to support a number of arms, which are dropped into a hole in the end of the post when not in use.

If you want the best wind mill, pumps, tanks, plows, wagons, bells of all sizes, boilers, engines, or general machinery, see or write JOHN POOLE, foot of Morrison street, Portland, Oregon.

DEAFNESS CANNOT BE CURED

By local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed deafness is the result, and unless the inflammation can be cured out of this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of Deafness cured, and that is not to be cured by Hall's Catarrh Cure. Send for circulars, free.

Sold by Druggists, F. J. CHENEY & CO., Toledo, O. Hall's Family Pills are the best.

Saturn, Uranus and Neptune can imprison gases more firmly than the earth.

SENATOR CHANDLER'S OPINION.

The following letter from Senator George Chandler speaks volumes for Dr. Darrin:

(Oregonian.)
 Dr. Darrin—Dear Sir: I am pleased to inform you that my son Charles, whom you treated in January, 1896, for heart trouble and general debility, has fully recovered and gained 30 pounds, for which please accept my thanks.
 GEORGE CHANDLER.

Baker City.

A Swedish Gentleman's Luck.
 To the Editor.—I have been afflicted with deafness and ringing noises in my head. Dr. Darrin treated me with electricity and cured me. Will answer questions at 638 Loring street, Albina.
 CHARLES CARLSON.

Would Not Take \$2000.

To the Editor.—I have been a physical wreck for the past four years, being afflicted with kidney, liver and heart trouble and dyspepsia, accompanied with pain in my back, stomach and breast. One month ago I went under Dr. Darrin's electrical and medical treatment. Now I am cured and able to work. I most emphatically commend Dr. Darrin's treatment, and will answer any questions, at 645 Wood street, Portland. Would not take \$2000 and be placed back where I was.
 WALTER MORGAN.

Deafness Cured in 20 Minutes.
 To the Editor.—For six months past I have been troubled with deafness. But, thanks to Dr. Darrin and his method by Electricity, for by his aid in 20 minutes I was entirely cured. My daughter was cured of rheumatism six years ago. I advise all who may be troubled in any way to call on Dr. Darrin. They will find him efficient in all he professes to be. Refer to me, at 51 1/2 Third street, Portland.
 MRS. A. SCHOEFS.

Dr. Darrin's Place of Business.
 Dr. Darrin gives free examination to all, and when necessary gives medicine in connection with electricity. The poor treated free from 10 to 11 daily, except medicines. Those willing to pay, 10 to 15; evening, 7 to 8; Sundays, 10 to 12.

Deafness, catarrh, eye, nose and throat, heart, liver, stomach, lung troubles, errors of youth, blood taints, gleet, impotency, varicocele, hydrocele and stricture a specialty. All chronic male and female and private diseases treated at reasonable rates. No cases published except by permission of the patient. All business relations with Dr. Darrin strictly confidential. Letters of inquiry answered. Circulars and question blanks sent free. Batteries and belts furnished when necessary. Offices, 205 Morrison street, Portland.

BUY THE GENUINE SYRUP OF FIGS
 .. MANUFACTURED BY .. CALIFORNIA FIG SYRUP CO.
 IF NOTE THE NAME.

In buying seeds "economize" is extremely unwise, because the cost of cultivation wasted on inferior seeds always largely exceeds the profit. The best is always the cheapest. Pay a trifle more for

FERRY'S SEEDS

and always get your money's worth. Five cents per paper everywhere. Send for the best Seed Annual free. H. M. FERRY & CO., Detroit, Mich.

TEETH WITHOUT PLATES
 Roots Crowned. Bridges Made. Painless Filling and Extraction.
Dr. T. H. White, 2714 Morrison St., Portland, Or.