

ADVICE TO FARMERS.

Proper and Advantageous Way to Sell Farm Products.

The independent shippers of grain to Chicago begin to realize that they have a common obstacle to surmount. The professional grain shippers over a dozen big states tributary to Chicago number an army. Many of them have grown rich from the farmers' wagons by a 25 years' stay at their stations. Some have bought farms, all are prosperous. This house has not a word against these people. It is not doing business with them. It is doing business with an army of farmers. It has given producers the best practical help since the railroads made the big central markets possible. If 10,000 farmers have discovered that they have no further use for 1,000 country grain buyers, they have a perfect right to go past them, fill their own cars, and ship their own grain. Many years ago farmers discovered that the old reaper and the old double shovel one-horse corn cultivator were too slow. They left them in the fence corners and bought improved machinery. The manufacturers did not kick. They met the demand with self-binders and riding sulky plows. The world has grown tired of many old things. The farming world is getting tired of paying others to do what it can do itself. If farmers wish to desert the local shippers (who may have been needed 40 years ago), no amount of meanness on the part of the shippers can stop them. Grain shippers have an organ to keep up their courage. Their publication has again filled its columns with abuse of the farmers' commission house. It is a case of sore toe. They howl because they are hurt. The farmers understand this sort of warfare made on the house which has put them in touch with Chicago. Their letters to us show that they believe this fact, viz., that if there is enough in grain shipments to fight for, the farmers want that margin. All that is now needed to spread direct shipments is some well-developed opposition. Farmers are in a frame of mind to do about as they please this year. We welcome any fair and honorable attention from the paid organ of grain shippers, and will see that its attacks are well spread before independent shippers and independent thinkers in a thousand farming communities. We have assurances that our efforts in behalf of farmers will be fully appreciated and reciprocated. Any man or any house may be glad of a fair criticism from the enemy with such an army at his back, but unjust, malignant attacks, made with the intention of vilifying and injuring us, are different. Farmers never were in better temper to demand their full rights and full profits for their labor than they are to-day.—H. H. Carr.

Bicycle Patents.

Nearly one-fourth of the patents granted at this time relate to the bicycle. There are all kinds of devices from small tools to the whole wheel. So many kind of wheels are made and the wheels are used for so many purposes that patents concerning the various parts are very numerous. Almost every use to which a wheel is put will point the way to a patent to improve the service. Then there are constant experiments in chains, handle bars, spokes, tires, frames, pedals, and, in fact, every part of the machine. It would seem that with so many patents issued every week the bicycle would soon become perfect.

Try Allen's Foot Ease.

A powder to be shaken into the shoes. At this season your feet feel swollen and hot, and get tired easily. If you have smarting feet or tight shoes, try Allen's Foot-Ease. It cools the feet and makes walking easy. Cures and prevents swollen and sweating feet, blisters and callous spots. Relieves corns and bunions of all pain and gives rest and comfort. Try it today. Sold by all druggists and shoe stores for 25c. Trial package FREE. Address, Allen B. Olmsted, Le Roy, N. Y.

Fine Yield of Oats.

An Urbana, Ill., man thrashed 1,264 bushels of oats from twenty-four acres, an average yield of fifty-two bushels to the acre. The grain tested 31 pounds to the measured bushel.

Don't Tobacco Spit and Smoke Your Life Away. To quit tobacco easily and forever, be magnetic, full of life, nerve and vigor, take No-To-Bac, the wonder-worker, that makes weak men strong. All druggists, 50c. or \$1. Cure guaranteed. Booklet and sample free. Address Sterling Remedy Co., Chicago or New York.

Only the wise can profit by the experience of others. A fool has to find out for himself what fire is.

To Cure Constipation Forever. Take Cascara Candy Cathartic, 10c or 25c. If C. C. C. fail to cure, druggists refund money. About the best plan to stop the sale of liquor is to give it away.

TOWER'S FISH BRAND SLICKER WILL KEEP YOU DRY.

Don't be fooled with a mackintosh or rubber coat. If you want a coat that will keep you dry in the hardest storm, buy the Fish Brand Slicker. If not for sale in your town, write for catalogue to A. J. TOWER, Boston, Mass.

PENSIONS Get your Pension DOUBLE QUICK Write CAPT. O'PARKER, Pension Agent, 1629 New York Avenue, WASHINGTON, D. C.

SCIENTIFIC POINTERS.

CURRENT NOTES OF DISCOVERY AND INVENTION.

The Signs of the Zodiac and the Sun's Apparent Transit Through Them—A New Bicycle Tire Made of Cork—Pine Bark Boats.

VERYBODY is familiar with the birch-bark boats or canoes of the American Indians, but the fact is not so well known that some of the aboriginal inhabitants of the western shore of this continent were accustomed to make boats of pine bark. A model of one in the Smithsonian museum served recently as a text for a talk by Prof. Otis T. Mason on the evolution of boats. The boat in question was, he said, an exact representation of those in use along certain parts of the Columbia River. It is made of the whole skin of a pine-tree, which is turned inside out, the ends being cut obliquely and drawn together in such a manner that the vessel has a pointed ram under water at each end. Directly across the Pacific Ocean from the Columbia is the River Amur in Asia. Professor Mason thinks the fact that similar boats are found on the Amur may have a bearing on the problem of former emigration from Asia to North America.

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In order that the reader may have a clear understanding of the accompanying cut, it will be necessary to devote a little time to the study of it. A map of the heavens is quite the contrary to a map of the earth in point of direction, especially to those north of the equator. The sun is always south of us at noon. Then to clearly understand the directions as given in the illustration, hold it up in front of you and turn your back to the north. It will now be easy to see that the top of the map would represent the south.



Apparent Motion of the Planets and Zodiac

of the earth from us. We will now complete the revolution to the point of beginning and we will see the sun rise in Libra again, but in the meantime it has apparently moved to the second degree of Libra owing to the actual motion of the earth in its orbit indicated by the arrow showing the real motion of the planets.—Prof. G. W. Cunningham.

An Appeal for the Elephant. Monsieur Pua, a French explorer of Africa, has recently made a strong appeal for the protection of the elephants remaining on that continent. He declares that the great beasts should be preserved not merely as curiosities but as animals which might become very useful under domestication. Formerly, as he points out, elephants were domesticated in Africa, and he believes the same thing could be done again to-day, and that it would well pay to do it. But unless protected against slaughter the elephant will have disappeared from Africa before civilization has reached the heart of the dark continent.

Goldfish-Farming. The raising of gold-fish is a special industry, and one of the largest "gold-fish farms" is at Spring Lake, Indiana. When young the goldfish is said to resemble in color and general appearance an ordinary minnow. After a while they turn dark, becoming occasionally almost black. Then a reddish hue begins to appear, the true golden color being developed at the average age of one year or less. A few individuals, however, never change their original silver color, and sometimes the red and gold hues make their appearance only in patches. Not infrequently goldfish develop two or more tails.

Murderous Baboons. A species of baboon inhabiting the colony of the Cape of Good Hope has become a pest to the farmers by destroying their lambs. The baboons haunt the clumps of cactus scattered through the fields, and exhibit much cunning in keeping out of the reach of their human enemies. It is asserted that they have taken note of the fact that women do not carry firearms, and therefore need not be feared. But

when a man appears the baboons instantly take to their heels. On this account the farmers have lately devised the plan of dressing in women's apparel when they set out to shoot baboons.

New Bicycle Tire Made of Cork. A tire invention which the inventor intends shall be a most successful rival to the pneumatic tires now so widely used, is soon to be given a trial. It is claimed it will not be susceptible to the small tack, glass, etc., to so disastrous an extent as the pneumatic tires are. It is made of sections of cork, which are almost solid, the center being made of an endless coil spring, which holds the section of cork firmly. Any section of cork may easily be removed and renewed. The spring acts something like a bracelet which removes from the wrist by stretching the spring a little. Whether this will wear as well or better than the pneumatic rubber tire remains to be seen. It has not yet been tried, but the inventor claims everything for it.

"Pop, what is humidity?" "Boiled air, my son."—Judge.

How Oscar Sherwood Lost Four Legs. Oscar Sherwood, of Ellingwood's Corners, Mo., says he is the only man in the world who has lost four legs in the service of his country. The first was wounded and amputated at Vera Cruz, during the Mexican war. The second was taken off during the retreat at Bull Run by a piece of artillery passing over it. The third was carried away by a cannon ball at Fair Oaks. The fourth mishap was before Petersburg, when Sherwood was sent to an underground magazine for the purpose of learning its ability to stand the bombardment from Confederate shells. Perhaps it may be well to mention that the second leg taken off was of cork, and the two subsequent ones of willow.

There is a Class of People Who are injured by the use of coffee. Recently there has been placed in all the grocery stores a new preparation called GRAIN-O, made of pure grains, that takes the place of coffee. The most delicate stomach receives it without distress, and but few can tell it from coffee. It does not cost over 1/2 as much. Children may drink it with great benefit. 15 cts. and 25 cts. per package. Try it. Ask for GRAIN-O.

Look Out for the Little Cusses. Ice cream sold in London streets has been found to contain seven million microbes to each cubic centimeter. It is said that more than one million microbes to the centimeter are unhealthy. The safe plan is always to count them before eating.

The success of an educational institution is indicated in no small degree by the numbers who give it their patronage from year to year. A consultation of the record books of the New England Conservatory of Music, Boston, Mass., reveals a student membership of something like 60,000 since its founding, with a present attendance of from 1,500 to 2,000 annually. This evidence, when taken in connection with the careful work done at the Conservatory, is convincing proof of the efficiency of the school and makes it little wonder that its reputation is world-wide.

A Washington letter says: "An apple or two is at the luncheon that the Vice-President eats, so that he does not go down to the restaurant at all."

Dropsey treated free by Dr. H. H. Green's Sons, of Atlanta, Ga. The greatest dropsey specialists in the world. Send their advertisement in another column of this paper.

Instead of an engagement ring, the Japanese lover gives his sweetheart a piece of beautiful silk for her sash.

Handel used, when traveling, to order dinner for three, or, if hungry, for five, and then eat the whole himself.

Dr. Kay's Renovator builds up the nervous system and worn-out tissue, renovates the whole system and makes the weak strong. See advt.

The Mexican flint knives were made so sharp that they could be used for trimming hair.

No-To-Bac for Fifty Cents. Guaranteed tobacco habit cure, makes weak men strong. Blood-purifier. 50c. B. All druggists.

The average height of man is 5 feet 6 inches, his weight 141 1/2 pounds.

Pilo's Cure for Consumption is our only medicine for coughs and colds.—Mrs. C. Belts, 429 8th ave., Denver, Col., Nov. 5, '98

If a man has horse sense he always knows when to say neigh.

Stagnant's Chamber Tea with Glysterine. The original and only genuine. Cures Chapped Hands and Feet, Cold Sores, etc. C. G. Clark & Co., J. K. Bates, Ch.

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MRS. CURTIS, NEW YORK,

Tells Her Experience With Ovaritis.

A dull, throbbing pain, accompanied by a sense of tenderness and heat low down in the side, with an occasional shooting pain, indicates inflammation. On examination it will be found that the region of pain shows some swelling. This is the first stage of ovaritis, inflammation of the ovary. If the roof of your house leaks, my sister, you have it fixed at once; why not pay the same respect to your own body?

Do you live miles away from a doctor? Then that is all the more reason why you should attend to yourself at once, or you will soon be on the flat of your back.

You need not, you ought not to let yourself go, when once of your own sex holds out the helping hand to you, and will advise you without money and without price. Write to Mrs. Pinkham, Lynn, Mass., and tell her all your symptoms. Her experience in treating female ills is greater than any other living person. Following is proof of what we say:

"For nine years I suffered with female weakness in its worst form. I was in bed nearly a year with congestion of the ovaries. I also suffered with falling of the womb, was very weak, tired all the time, had such headaches as to make me almost wild. Was also troubled with leucorrhoea, and was bloated so badly that some thought I had dropsy. I have taken several bottles of Lydia E. Pinkham's Vegetable Compound, and several of her Blood Purifier, and am completely cured. It is a wonder to all that I got well. I shall always owe Mrs. Pinkham a debt of gratitude for her kindness. I would advise all who suffer to take her medicine."—MRS. ANNE CURTIS, Ticonderoga, N. Y.

Harvest Excursions!

SEPT. 7 AND 21, OCT. 5 AND 19. To the Farm regions of the West, Northwest and Southwest. Round trip tickets will be sold on dates named at all G. B. & Q. stations and at many Eastern points at about half fare, good for 31 days. Stop over allowed on going passage. Ask your local agent for particulars. GO WEST AND LOOK FOR A HOME. A handsome illustrated pamphlet describing the best land for sale on application to P. S. EUSTIS, Gen'l Pass. Agt., G. B. & Q. R. Co., Chicago.

DROPSY NEW DISCOVERY!

Dropsey treated free by Dr. H. H. Green's Sons, of Atlanta, Ga. The greatest dropsey specialists in the world. Send their advertisement in another column of this paper.

Ride on Certainty

1897 COLUMBIA BICYCLES. STANDARD OF THE WORLD \$75 TO ALL ALIKE. Not absolute certainty, for that isn't anywhere, but as near to it as possible. The Columbia of 1897 is the culminative finish of an evolution of twenty years of best bicycle building.

1896 COLUMBIAS	.....	\$60
1897 HARTFORDS	.....	50
HARTFORDS Pat. 2	.....	45
HARTFORDS Pat. 1	.....	40
HARTFORDS Pats. 5 and 6	.....	30

POPE MANUFACTURING CO., Hartford, Conn.

FARMERS! A NEW WAY TO SHIP YOUR GRAIN. H. H. CARR & CO. 64 Board of Trade, CHICAGO.

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 bear the fac-simile signature of *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 and has the signature of *Chas. H. Fletcher* on the wrapper. No one has authority from me to use my name except The Centaur Company of which Chas. H. Fletcher is President.

March 8, 1897: Samuel Pitcher, D.

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 *Chas. H. Fletcher* Insist on Having The Kind That Never Failed You!

HALL'S Vegetable Sicilian HAIR RENEWER. Beautifies and restores Gray Hair to its original color and vitality; prevents baldness; cures itching and dandruff. A fine hair dressing. R. F. Hall & Co., Props., Nashua, N. H. Sold by all Druggists.

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ILLINOIS FEMALE COLLEGE. JACOBSONVILLE, ILL. Through courses, superior faculty; reduced rates; Christian home. Terms reasonable. Write for prospectus. DR. JOSEPH H. HARKER, President.

RACINE FEET. Can be sewed to the legs of children's stockings, putting them good as new. Just the feet of a shoe. Strong, elastic, and comfortable. Write for circular. W. N. U. CHICAGO, NO. 35, 1897. When Answering Advertisements Mention This Paper.

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