

**Movement of a Carriage Wheel.**  
The top of a carriage wheel in passing along the road moves more quickly through the atmosphere than the bottom. This sounds foolish, but it is absolutely sound. It is due to the movable axis, or axle. The top of the wheel has forward motion plus forward revolution. The bottom of the wheel has the same forward motion minus backward revolution.—London Saturday Review.

**What Causes Headache.**  
From October to May, colds are the most frequent cause of headache. Laxative Bromo Quinine removes cause. E. W. Grove on box, 25c.

**Army of Postmasters.**  
Uncle Sam's biggest army is the fourth-class postmasters, who number more than seventy thousand, exceeding by twelve thousand the officers and men of the regular army of the United States. The extension of the rural free delivery has occasioned the discontinuance of nearly 2,000 fourth-class post offices during the last year, and the new offices created do not offset the losses.

**STATE OF OHIO, CITY OF TOLEDO, ss. LUCAS COUNTY.**  
FRANK J. CHENEY makes oath that he is senior partner of the firm of F. J. CHENEY & Co., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of CATARRH that cannot be cured by the use of HALL'S CATARRH CURE. FRANK J. CHENEY.  
Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1888.  
A. W. GLEASON, Notary Public.  
Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.  
F. J. CHENEY & Co., Toledo, O.  
Sold by all Druggists, 75c.  
Take Hall's Family Pills for constipation.

**Tests for Death.**  
A Harvard professor is the author of a bill now pending in the Massachusetts Legislature, providing for tests to be applied to every supposed dead person before a burial certificate is issued. It is probably based on the theory that a man has as many lives as a cat.

**Mrs. Winslow's Soothing Syrup for Children** teething, softens the gums, reduces inflammation, allays pain, cures whooping cough, 25c a bottle.

**Pen, Sword and Gun.**  
According to an English labor paper more steel was used during the past ten years in the manufacture of pens than in all the sword and gun factories of the world.

**Many Old People Suffer From** Bronchial Affections, particularly at this time of year. Brown's Bronchial Troches give immediate relief.

**Savings Banks Insurance.**  
The Massachusetts Legislature last year authorized savings banks under proper restrictions to enter the life insurance business, and the first bank to take advantage of the law is that of which ex-Governor Douglas is President. The legislation was urged both by organized labor and by the representatives of capital, and a much is expected of the new idea. At a time when various banking and insurance reforms are under discussion, it is interesting to note what the Massachusetts law provides.

The act permits banks to establish insurance departments for the benefit of depositors, to issue policies for not more than \$500, and to make annuity contracts not to exceed \$200. There are to be no agents nor collectors, and any profits to be divided among annuitants and policyholders. The banks undertaking this line of business, furnish proper guarantees, and the State assumes general supervision.

**Warblers and Caterpillars.**  
The enormous number of insects that breeding warblers must secure to feed their young may be inferred from the fact that each young bird requires fully half its own weight of insects each day. As the young are fed very largely on caterpillars, and as they are reared at a time when these insects are most plentiful, there is no doubt regarding the restraining influence exerted upon the increase of this insect life throughout the North Temperate zone by a family of birds so abundant and widely distributed as the warblers.

**BRAIN POWER** Increased by Proper Feeding.

A lady writer who not only has done good literary work, but reared a family, found in Grape-Nuts the ideal food for brain work and to develop healthy children. She writes:—"I am an enthusiastic proclaimer of Grape-Nuts as a regular diet. I formerly had no appetite in the morning and for 8 years while nursing my four children, had insufficient nourishment for them."  
"Unable to eat breakfast I felt faint later, and would go to the pantry and eat cold chops, sausage, cookies, doughnuts or anything I happened to find. Being a writer, at times my head felt heavy and my brain asleep."  
"When I read of Grape-Nuts I began eating it every morning, also gave it to the children, including my 10 months' old baby, who soon grew as fat as a little pig, good natured and contented."  
"Within a week I had plenty of breast milk, and felt stronger within two weeks. I wrote evenings and feeling the need of sustained brain power, began eating a small saucer of Grape-Nuts with milk instead of my usual indigestible hot pudding, pie or cake for dessert at night."  
"Grape-Nuts did wonders for me and I learned to like it. I did not mind my housework or mother's cares, for I felt strong and full of 'go.' I grew plump, nerves strong, and when I wrote my brain was active and clear; indeed, the dull head pain never returned."  
"There's a Reason."  
Name given by Postum Co., Battle Creek, Mich. Read "The Road to Wellville," in plegs.

Those who endeavor to secure the most eggs by selecting the "best breed" have found that, after all, it is the labor and care which makes the profit. Ask any number of poultrymen their opinion as to which breed is the best, and it will be found that they do not agree, some preferring one breed and some the others. A farmer may secure what he supposes to be the best breed only to be disappointed, while the breed which is rejected may prove profitable with his neighbors because of better care. The hens should not pay better in winter than in summer, but no doubt the farmers are better satisfied with the winter result, due to the giving of more attention to the hens because no other farm work is urgent. Women and children cannot care properly for the fowls when the ground is covered with snow. There is something more to do than to throw down corn for them. They must have water that is not frozen, the eggs must be collected often to avoid freezing, the doors must be cleaned, a variety of food must be mixed, and sick fowls must be cared for, as well as looking after other details.—Weekly Witness.

**Improving the Dairy Herd.**  
There are a great many dairymen who do not know the possibilities of their own cows; they seek to improve their value as milk producers by buying new cows instead of improving the status of the old ones. New blood is to be desired, if it

comes through the purebred dairy sire, but much can be accomplished without waiting for a new breed to grow up. I have found the best plan is to study the requirements of the milk animals I have. Give them first-class feed and care and they will readily prove themselves capable of producing a profit. A man who cannot improve the yielding ability of a herd of common cows is only likely to make a failure of blooded stock.  
There are many gems among so-called "common cows," but their good qualities are never brought out and they run their unprofitable course because their owners are careless men. Observe every animal in the herd with a critical eye. Offer her extra feed and see if she will eat it; if she eats it up clean and gives a profit, give her more. Provide all the pure water—she will drink. Look to her bedding and comfort in the stable, and see that she does not have to stand in a bleak barnyard or exposed to cold storms.—R. B. Rushing, in the Indiana Farmer.

# The Army

**A New Breed of Horses.**  
A breed of horses that is being developed at the Colorado Agricultural College, at Ft. Collins, in co-operation with the United States Department of Agriculture, appears to have some promising characteristics. The object in view has been to develop a first-class carriage horse that has plenty of "go" combined with great powers of endurance.

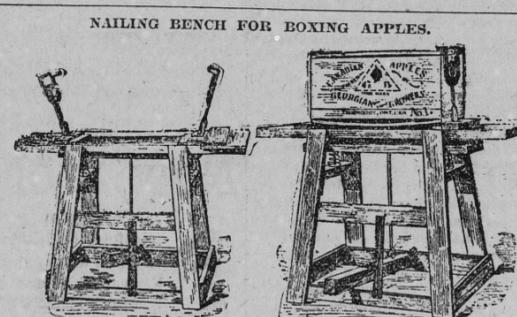
**Lime For a Disinfectant.**  
When lime is used as a disinfecting whitewash, be sure that it is "live," as good results cannot be secured with that which has been air-slacked. Whitewash made with good lime will kill all germs that it touches, while air-slacked lime whitewash is about as effective as that much clear water. Care should be exercised to keep the whitewash from the legs of the fowls, as it will cause the skin to become inflamed and sore. The eyes, combs and wattles will also suffer.—N. W. Agriculturist.

**New British Cattle Regulation.**  
Consul Edward B. Walker, of Burslem, England, writes that under an order of the Board of Agriculture and Fisheries, which came into force January 1, 1908, no horse, ass or mule brought to Great Britain, from any other country, except Ireland, the Channel Islands or the Isle of Man, is to be landed in Great Britain unless accompanied by a certificate of a veterinary surgeon to the effect that he examined the animal immediately before it was embarked, and while it was on board the vessel, and that he found the animal did not show symptoms of glanders or farcy.—American Cultivator.

**Good Soil, Good Crops.**  
The fact that there is an occasional field of corn in almost every section, which ripened up thoroughly, would lead us to believe that, after all, the condition of the soil or method of cultivation may have had something to do with the uneven outcome of the corn crop. Every corn plant must form root, stalk and leaves before it is ready to elaborate the grain. So it is reasonable that if either condition of soil or method of culture hinders or retards growth, the process of ripening must be delayed. Rich soil ground in many instances produced sounder corn this past season than old ground, and while this is contrary to usual results, it seemed to have worked out that way this season. The seed was slow to germinate, and it made slow growth. The corn became stunted early and it was not able to overcome the setback. So it has turned out that many poor fields

**The Carriage Horse.**  
It appears that the Bureau of Animal Industry, operated under the direction of the United States Department of Agriculture, desires the co-operation of the American Association of Trotting Horse Breeders in its effort to improve the American carriage horse. The managers of the

**Ration for Sheep.**  
As to the most desirable kinds of feed to be used for a grain ration, variety is the best. We know this from our own experience, as we soon tire of a sameness of diet; it is also true of our farm animals. When a variety is supplied, more food is consumed and the better the digestion. I have found, says a farmer in writing to "Farmers' Review," that an equal amount of crushed corn, oats, wheat, bran and oil cake best suits the taste and requirements of the lambs and gives good results as to the growth and gain in flesh and fat; the latter quality is especially demanded in the early market lamb. I would then increase the crushed corn to the limit that it would be relished, for a fat lamb is far preferable to a lean one of much larger size. But where the lambs are to be carried through the summer for feeding the following winter, then good size, growth and stamina are required. In that event I would cut out the corn from their ration for best results. But they should be fed this grain ration, as there is no time in an animal's life when as great returns will be given for food consumed as when suckling its dam.



After the packing of the box is completed, the cover must be carefully nailed in position. The lining papers are folded neatly at the edge of the top of the box to allow for the swell, and will then overlap slightly at the centre. This is the style, with some modifications, in general use on the Pacific Coast, and can be readily made by any one handy with tools, with such assistance as may be obtained at any blacksmith shop.—From the American Cultivator.

did not mature corn at all—that is, corn planted at end of May was still immature when freezing weather came.—Indiana Farmer.

**Labor Makes the Hens Pay.**  
Those who endeavor to secure the most eggs by selecting the "best breed" have found that, after all, it is the labor and care which makes the profit. Ask any number of poultrymen their opinion as to which breed is the best, and it will be found that they do not agree, some preferring one breed and some the others. A farmer may secure what he supposes to be the best breed only to be disappointed, while the breed which is rejected may prove profitable with his neighbors because of better care. The hens should not pay better in winter than in summer, but no doubt the farmers are better satisfied with the winter result, due to the giving of more attention to the hens because no other farm work is urgent. Women and children cannot care properly for the fowls when the ground is covered with snow. There is something more to do than to throw down corn for them. They must have water that is not frozen, the eggs must be collected often to avoid freezing, the doors must be cleaned, a variety of food must be mixed, and sick fowls must be cared for, as well as looking after other details.—Weekly Witness.

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**The Centenary of Anthracite.**  
The City of Wilkesbarre recently celebrated the centenary of anthracite. So common an article of commerce has this coal become that one seldom stops to think that so far as records go none of it was burned until a quarter of a century after the Revolutionary War. The saint of the Wilkesbarre holiday was Judge Jesse Fell, a Wyoming valley pioneer who exactly a year and a day before the birth of Abraham Lincoln showed his astonished fellow townsmen how "stone coal" could be burned in an open grate. The old grate where this important modern miracle was performed is still intact and is an object of devoted pilgrimage by the people of surrounding towns.

**Despite constant heavy rains** Preston, England, is threatened with a water famine, a species of fine moccas having found its way into the water mains and blocked the supplies.

# Syrup of Figs and Elixir of Senna

**Clears the System Effectually, Dispels Colds and Headaches due to Constipation; Acts naturally, acts truly as a Laxative.**  
Best for Men, Women and Children—Young and Old.  
To get its Beneficial Effects Always buy the Genuine which has the full name of the Company  
**CALIFORNIA FIG SYRUP Co.**  
by whom it is manufactured, printed on the front of every package.  
SOLD BY ALL LEADING DRUGGISTS, one size only, regular price 50¢ per bottle.

**American Trees for China.**  
A Chinese alumnus of the University of California has been made director of an agricultural station maintained by China at Mukden. He is arranging to introduce American trees and shrubs into China.

**FITS, St. Vitus' Dance, Nervous Diseases** permanently cured by Dr. Kline's Great Nerve Restorer. \$2 trial bottle and treatise free. Dr. H. R. Kline, Ltd., 931 Arch St., Phila., Pa.

**A beautiful Celtic cross, 20 feet high**, has been erected at Ranghousa, Bay of Island, where 93 years ago Samuel Marsden, the "Apostle of New Zealand," landed to hold the first Christian service in that section.

**Only One "Bromo Quinine"** That is Laxative Bromo Quinine. Look for the signature of E. W. Grove. Used the World over to Cure a Cold in One Day. 25c.

**Reduced Colonist Rates.**  
One-way tickets at special low rates on sale daily throughout March and April, from all points on the North Western Line to San Francisco, Los Angeles, Portland and Puget Sound points.

**Public Speaking.**  
Eloquence is the child of knowledge. When a mind is full, like a wholesome river, it is also clear. Confusion and obscurity are much oftener the results of ignorance than of inefficiency. Few are the men who cannot express their meaning when the occasion demands it with energy; as the lowest will defend their lives with acuteness, and sometimes even with eloquence.—Lord Beaconsfield.

**Macaroni Wheat.**  
Salzer's strain of Macaroni or Kubanka wheat is absolutely pure and is from seed obtained from the Department of Agriculture. Our strain is Dakota grown which laughs at droughts and elements and positively mocks black rust that terrible scourge and would be ashamed of it if it did not return from 40 to 80 bu. of the finest wheat the sun shines on per acre in good Ill., Ia., Mich., Wis., Ohio, Penn., Mo., Neb., Kan., and other lands, and 40 to 60 bu. per acre in arid lands. No rust, no insects, no failure.

**SEED THAT'S PURE**  
All our seed is tested and warranted to be reliable. Write for our new Catalogue, free.  
J. J. H. CREGG & SON, MANULIEN, ILL.

**DROPSY NEW DISCOVERY**  
Best cases. Book of testimonials and 50 Days' treatment free. Dr. H. R. GREEN'S SOSS, Box B, Atlanta, Ga.

**Paper manufactured from the fiber** of trees began to be a commercial product in 1867, but did not assume great importance until 1890.

**One pound of Sea Island cotton** can be spun into 4,770 miles of thread.

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## Our Overheated Houses.

That "colds" are due to "catching heat" is another one of the curious paradoxes due to the modern investigations of disease, and by "colds" is meant all the acute inflammations of the respiratory tract, including pneumonia. Eskimos never have pneumonia at home, but they nearly all die of it when they come to New York. This disease is now the most fatal one in the heat of Panama. Peary states that none of his party suffered from coughs and colds in the Arctic, but after their return they have all had such diseases. "Tropical colds" are the persistent forms of bronchitis and so hard to "throw off" or cure. It is well to inquire, now that the benefits of cold air are being recognized, whether our winter colds are not really due to the unwholesome heat of our houses, which are hotter in winter than in summer. If so, we do not "catch cold" when we leave the house, but "catch heat" when we enter it. Every new fact seems to point to the necessity of a reform in our methods of overheating our houses.—From American Medicine.

**Marriage a Journey.**  
Marriage is a journey—and many a time the bride's father has to send her money for a ticket home.

**Piles Cured in 6 to 14 Days.**  
Pazo Ointment is guaranteed to cure any case of Itching, Blind, Bleeding or Protruding Piles in 6 to 14 days or money refunded. 50c.

**Speaker is Left-Handed.**  
Most of the cartoonists picture Speaker Cannon as swinging his gavel with his right hand, when as a matter of fact the speaker is left-handed.

**Digestive difficulties? Headache? Sallow complexion?** The remedy is simple, Garfield Tea, the herb laxative. Write for samples. Garfield Tea Co., Brooklyn, N. Y.

**His Watch.**  
It is a great relief to a man who dreams that his watch is gone, to get up and find it going.

**Reduced Colonist Rates.**  
One-way tickets at special low rates on sale daily throughout March and April, from all points on the North Western Line to San Francisco, Los Angeles, Portland and Puget Sound points.

**Daily and Personally conducted** tours in tourist sleeping cars via the Chicago, Union Pacific & North Western Line. Double berth only \$7.00, through from Chicago. For full particulars write S. A. Hutchison, Manager Tourist Dept., 212 Clark St., Chicago, Ill., or address nearest ticket agent.

**The master ringer of Lincoln** Cathedral has in 50 years made a record of 975,000 steps ascended, and hopes to complete the million.

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# WOMAN'S BACKACHE



The back is the mainspring of woman's organism. It quickly calls attention to trouble by aching. It tells, with other symptoms, such as nervousness, headache, pains in the loins, weight in the lower part of the body, that a woman's feminine organism needs immediate attention.

In such cases the one sure remedy which speedily removes the cause, and restores the feminine organism to a healthy, normal condition is **LYDIA E. PINKHAM'S VEGETABLE COMPOUND**. Mrs. Will Young, of 6 Columbia Ave., Rockland, Me., says: "I was troubled for a long time with dreadful backaches and a pain in my side, and was miserable in every way. I doctored until I was discouraged and decided to try it; after taking three bottles I can truly say that I never felt so well in my life."

Mrs. Augustus Lyon, of East Earl, Pa., writes to Mrs. Pinkham: "I had very severe backaches, and pressing-down pains. I could not sleep, and had no appetite. Lydia E. Pinkham's Vegetable Compound cured me and made me feel like a new woman."

**FACTS FOR SICK WOMEN.**  
For thirty years Lydia E. Pinkham's Vegetable Compound, made from roots and herbs, has been the standard remedy for female ills, and has positively cured thousands of women who have been troubled with displacements, inflammation, ulceration, fibroid tumors, irregularities, periodic pains, backache, that bearing-down feeling, flatulency, indigestion, dizziness, or nervous prostration.

P. N. U. 9, 1908.

**RHEUMATISM** is most painful. What's good?  
**ST. JACOBS OIL**  
Gives instant relief. Removes the twinges.  
USE IT, THEN YOU'LL KNOW  
25c.—ALL DRUGGISTS—50c.

**WHEN a country becomes civilized it demands typewriters. When it becomes posted on comparative values it demands**

The **Smith Premier Typewriter**

The fact that The Smith Premier Typewriter is used in every civilized country on the globe is not so important as the further fact that the demand increases year after year. The reputation of The Smith Premier is world-wide. World-wide use has made it so.

**THE SMITH PREMIER TYPEWRITER CO.**  
319 Third Avenue, Pittsburg, Pa.

**W. L. DOUGLAS SHOES** \$3.00 to \$3.50  
SHOES AT ALL PRICES FOR EVERY MEMBER OF THE FAMILY.  
MEN, BOYS, WOMEN, MISSES AND CHILDREN.  
W. L. Douglas makes and sells more shoes than any other manufacturer in the world, because they hold their shape, fit better, wear longer, and are of greater value than any other shoes in the world to-day.

**PUTNAM FADELESS DYES**  
Color more bright and faster colors than any other dye. One 10c. package colors all fibers. They dye in cold water better than any other dye. You can dye any garment without ripping apart. Write for free booklet—How to dye, Bleach and Mix Colors. **MORRO DRUG CO., Quincy, Illinois.**