

**For Growing Girls.**  
West Pembroke, Me., March 21.—Mrs. A. L. Smith, of this place, says that Dodd's Kidney Pills are the best remedy for growing girls. Mrs. Smith emphasizes her recommendation by the following experience:  
"My daughter was thirteen years old last November and it is now two years since she was first taken with Crazy Spells that would last a week and would then pass off. In a month she would have the spells again. At these times she would eat very little and was very yellow, even the whites of her eyes would be yellow."  
"The doctors gave us no encouragement, they all said they could not help her. After taking one box of Dodd's Kidney Pills, she has not had one bad spell. Of course, we continued the treatment until she had used in all about a dozen boxes, and we still give them to her occasionally, when she is not feeling well. Dodd's Kidney Pills are certainly the best medicine for growing girls."  
Mothers should heed the advice of Mrs. Smith, for by so doing they may save their daughters much pain and sickness and ensure a healthy happy future for them.

First Little Girl—"My father is an editor; what does yours do?" Second Little Girl—"Whatever mamma tells him."—Glasgow Evening Times.

**Ladies Can Wear Shoes**  
One size smaller after using Allen's Foot-Ease. A certain cure for swollen, sweating, hot, aching feet. At all drug stores, 25c. Accept no substitute. Trial package FREE. Address A. S. Olmsted, Le Roy, N. Y.

It is a good deal easier to drop into a rut than to rise out of it.—Ram's Horn.

Putnam Fadeless Dyes color Silk, Wool and Cotton at one bathing.

Kleptomaniacs will take anything but jokes.—Chicago Daily News.

**EIGHT YEARS OF TORTURE.**

No suffering more keen than kidney suffering. Sick kidneys make bad blood; cause weak, stiff and aching backs; cause blind, sick and dizzy headaches, lack of appetite and loss of sleep; keep you all tired out and spoil digestion.  
To have perfect health, you must cure the kidneys. Read how one man was cured by Doan's Kidney Pills after eight years of torture.

Henry Soule, of Pultney St., Hammondsport, N. Y., says: "For eight years I suffered constant agony from kidney complaint. I endured the worst torture from gravel and the kidney secretions were excessive and contained sediment like brick dust. I had to get out of bed from ten to twenty times a night and the loss of sleep wore me out. Indigestion came on and the distress after eating was terrible. Doan's Kidney Pills effected a complete and lasting cure, and after the symptoms of kidney trouble were gone my stomach began to work as it should. This lasting cure, especially in a person of my age, proves the great value of Doan's Kidney Pills more convincingly than could any words of mine."

Doan's Kidney Pills sold by all druggists; price 50 cents per box, or mailed on receipt of price by Foster-Milburn Co., Buffalo, N. Y. Write for free trial.

**50,000 Americans**  
Were Welcomed to

**FARMS WESTERN CANADA FREE**

**Western Canada**  
during last year

They are settled and settling on the Grain and Grazing Lands, and are prosperous and satisfied.

Mr. Wilfred Laurier recently said: "A new star has risen upon the horizon, and it is toward it that the eyes of the world are turned."—Canadian. This is the new star.

**ROOM FOR MILLIONS**  
FREE! Homesteads given away. Schools, Churches, Railroads, Hospitals, etc. Write for information.

For a descriptive Atlas and other information, apply to SUPERVISOR OF IMMIGRATION, Ottawa, Canada; or authorized Canadian Government Agents—C. F. MILLER, Grand Forks, North Dakota.

**W. L. DOUGLAS**  
\$3.50 & \$3 SHOES

W. L. Douglas shoes have by their excellent style, easy-fitting, and superior wearing qualities, achieved the largest sale of any shoes in the world.

They are just as good as those that cost you \$4 to \$5—the only difference in the price.

Sold Everywhere.

Look for name and price on bottom.

Douglas uses Corona Colicoid, which is everywhere conceded to be the best Patent Leather produced. Fast Color Eyelets used. Shoes by mail, 25c. extra. Write for Catalog, W. L. Douglas, Brockton, Mass.



**SEED POTATOES**  
500,000 BUSHELS  
FOR SALE CHEAP

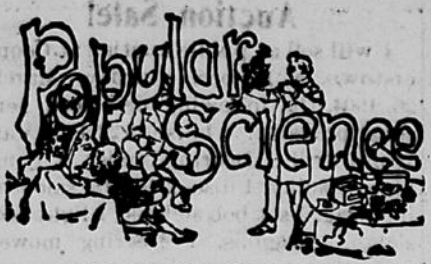
Largest seed potato growers in the world! Elegant stock. Tremendous yields. From 600 to 1000 bushels per acre.

**FOR 10 CENTS**  
and the price we send you lots of farm seed catalogues, telling all about seed potatoes, Peas, Corn, Land Barley, Macaroni Wheat, Bromus, Barley, Oats, etc. Send for yours today.

**JOHN A. SALZER**  
SEED CO. LA CROSSE, WIS.

**MOTHER GRAY'S SWEET POWDERS FOR CHILDREN.**  
A Certain Cure for Feverishness, Constipation, Headaches, Croup, Whooping Cough, Measles, Diphtheria, and other ailments of children.

Mother Gray's Sweet Powders are sold by all druggists. Address: Mrs. J. W. Gray, 1111 Broadway, New York City.



**USEFUL GERMAN DEVICE.**

It Prevents Most Effectively Fires from Locomotive Sparks and is Now in General Use.

The constant danger of widespread and disastrous forest fires and other conflagrations and the deplorable losses of property and life which occur each year from such causes in the United States lend a practical interest to the best methods employed in other countries for averting similar dangers.

Forest fires in Germany are comparatively infrequent for three reasons: First, the country has a rainfall so copious and uniform that periods of drought which render woodlands easily inflammable are relatively rare; second, where railways traverse tracts of pine forests strewn with the dry, fallen needles of the previous year, they are generally ditched and diked along both sides of the line so as to confine a fire to a small and easily controlled area; and third, because every precaution which inventors can devise to arrest locomotive sparks and prevent them from escaping into the air is practiced on all private and corporate lines.

Until recently it was not apparent that the German engines were in this respect much, if any, in advance of those of other countries. The problem here, as elsewhere, has been to devise a metallic network fine enough in mesh to effectively sift the glowing sparks from the blast of a locomotive without so obstructing the draft as to compromise its steaming capacity. Hitherto the bars or filaments of network spark arresters have been mainly round and fixed in place—conditions which always entail



THREE TIERS OF GRATE BARS.

more or less danger of choking and clogging whenever the space between bars or meshes is small enough to really prevent the escape of sparks and glowing embers of dangerous size.

These requirements have led to an ingenious improvement invented by a German engineer named Heydemann. It has been in use during the past two years on the state railways of Mecklenburg, with such success that it has been adopted for trial on the Hessian and several corporate lines, and has become therefore a subject of current public interest. The device consists of a series of three grates set one above another in a square iron or steel frame of such size and form as to fit into the smoke chambers of the locomotive. The arrangement of three tiers of grate bars will be shown by the diagram.

Each bar is about two inches wide by one-tenth of an inch thick, and is ingeniously set into the frame so as to be held in place against any shock or pressure and at the same time to be free to expand or contract with changing temperatures. As shown by the diagram the middle tier or grate contains twice as many bars as the top and bottom tiers, and the arrangement of bars and spaces is such that while a free passage is secured for the gases of combustion no spark or ember more than 0.16 inch in thickness can escape, and these are so small that they are self-extinguished within a few feet after escaping into the open air and cause no danger. This ingenious arrangement of the bars, together with the readiness with which they expand and contract under varying temperatures, acts to dislodge the adhering particles and prevents the arrester from becoming clogged, at the same time permitting a draft so open and free that the steaming capacity of the engine is said to be visibly greater than with any other type of spark catcher heretofore used in this country.—Dean B. Mason, U. S. Vice and Deputy Consul General at Berlin.

**ETHER AFFECTS PLANTS.**

Scientific Tests Prove That It Hastens Their Development and Shortens Winter Rest.

By a series of experiments Dr. J. Johansen, professor of vegetable physiology at the Copenhagen agricultural college, has established the fact that under the influence of ether or chloroform plants shorten their period of hibernation rest and develop foliage and blossoms from two weeks to as many months before the normal time.

Prof. Johansen found that plants are most susceptible to the influence of anesthetics toward the end of their period of rest, and that no noticeable results can be obtained if plants are subjected to the influence of ether or chloroform before they have entered upon the period of rest or after they have begun their spring activity.

Lilacs, etherized at the end of July, after they had reached their rest period, but while they were still in leaves, lost their foliage rapidly and at once began to develop new leaves. In five to eight days they had new foliage and a few days later were in full bloom, while lilacs not treated with ether did not develop to maturity until 20 or more days later.

Chloroform seems to act more energetically than ether and its use is preferable from an economic point of view. Some florists in France and Germany have already begun to make practical use of the accelerating effect of anesthetics upon plants and have obtained gratifying results with lilacs, snowballs, azaleas, deutzias, glycyndium, and many other flower-bearing shrubs.

**NEW PRECIOUS STONE.**

Kunzite, a Beautiful Lilac Gem, Discovered by an Expert of the Geological Survey.

Kunzite is the name of a new precious stone that has been discovered by one of the experts of the United States geological survey. Do you know what kunzite is? If you do not, George F. Kunz, its discoverer, can tell you.

Kunzite is the principal gem discovery of the year which ended a month ago, and Pala, in San Diego county, Cal., is where it was found.

Crystals of great size and beauty have been obtained, and the stone has been cut into very beautiful gems for jewelry, and bids fair to become popular.

Kunzite is a beautiful lilac color, and comes under the head of spodumene, sometimes called triphane. Spodumene is a silicate of aluminum, and is found in colors varying from gray, yellow and greenish white to an emerald green and purple.

In a forthcoming volume on mineral resources to be published by the geological survey considerable space will be devoted to this new gem. This volume will also contain a great deal of valuable information concerning the development of the mining of precious stones in this country.

New discoveries of very fine rubellite and other tourmalines have also been made at Pala and in other parts of California. Topaz, both white and pale blue, has been identified for the first time in that state.

It was found at Coahuilla in distinct and beautiful crystals, the dimensions of the largest being three-quarters of an inch by one inch. Magnificent spessartite garnets were obtained near Ramona, in San Diego county.

Outside of California prospecting and development work have been carried on in a few scattered districts.

Turquoise has been mined in several places in New Mexico, Arizona, Nevada and California, and many gems of great beauty have been found.

The sapphire mines of Montana were worked last year by three different companies, two of which developed fine blue gems in Fergus county, and the other multi-colored stones in Granite county.

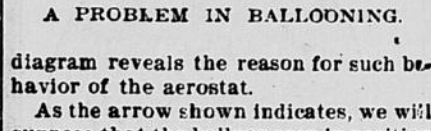
In North Carolina prospecting for beryl and amethyst was continued. Some of the government geologists believe that diamonds are to be found in Indiana, and the matter has been discussed in scientific papers.

**WHY DOES IT DROP?**

A Question That Has Puzzled Aeronauts for a Long Time Explained in a Simple Way.

Every year, more and more interest is taken in the science of ballooning, and, with an ever increasing number of aeronauts pursuing their investigations, the mysteries of such air-sailing are one by one, steadily if slowly, being solved.

For a long time one curious phenomenon puzzled all voyagers by air. When a balloon, in the course of a trip, passed over a forest, it was sure to descend from its former elevation, and a good supply of ballast had then to be thrown out in order to keep it up. This small



A PROBLEM IN BALLOONING.

diagram reveals the reason for such behavior of the aerostat.

As the arrow shows, indicates, we will suppose that the balloon seen in position on the left is being carried through the air towards the point occupied by the balloon on the right. And on the way the course through the air passes over a forest, also indicated. The dotted line, denoting the elevation of the balloon in its flight, shows what will happen. Over the forest the balloon will drop, as the dotted line indicates. Ballast will be thrown out to keep the balloon-car from the tree-tops, and after leaving the forest the balloon, now lighter, will rise higher than before.

Why does the balloon drop when over the forest? Because, as the "pyramid" marked over the forest shows, there is above all such collections of vegetation a high prism of moisture-laden air, caused by the abundant transpiration of the trees and bushes. And, entering that mass of damp air, the buoyancy of the balloon is much reduced, and naturally it descends.

**The Weight of Children.**

Some curious experiments have been made at one of the royal philanthropic institutions in Copenhagen. For some years back the 70 boys and girls in the place have been carefully weighed every day in groups of 15 and under. Thereby it is proved that the children gain weight mostly in autumn and in the early part of December. From that time till the end of April there is scarcely any increase in weight. More remarkable still, there is a diminution till the end of summer.

**English Bank Note Paper.**

It is not every one who is aware that a Bank of England note is not of the same thickness all through. The paper is thicker in the left-hand corner to enable it to retain a keener impression of the vignette there, and it is also considerably thicker in the dark shadows of the center letters and beneath the figures at the ends. Counterfeit notes are invariably of one thickness only throughout.

**PATENT LAW.**

A patent for a device, which states that a part is preferably made of a stated material, is not rendered invalid by the fact that when such part is made of a certain other material the device is inoperative.

Equity is without jurisdiction of a suit for infringement, where prior to its commencement defendant had ceased to infringe and was at that time neither threatening nor intending to continue infringement.

**WESTERN CANADA HAS AN EXCELLENT CLIMATE.**

The Saskatchewan Valley Very Highly Favored.

An interesting feature of Western Canada is its climate. Those who have made a study of it speak highly of it. The Canadian Government Agents are sending out an Atlas, and at the same time giving valuable information concerning railway rates, etc., to those interested in the country. As has been said, the climate is excellent. The elevation of this part of Canada is about 1,800 feet above the sea, about twice that of the average for Minnesota. It is a very desirable altitude. The country has a very equable climate, taking the seasons through. The winters are bright and the summers are pleasantly warm. R. F. Stupart, director of the meteorological service for Canada, says:

"The salient features of the climate of the Canadian northwest territories are a clear, bracing atmosphere during the greater part of the year, and a medium rainfall and snowfall. The mean temperature for July at Winnipeg is 66, and Prince Albert 62. The former temperature is higher than at any part of England, and the latter is very similar to that found in many parts of the southern countries."

At Prince Albert the average daily maximum in July is 76 and the minimum 48. Owing to this high day temperature with much sunshine, the crops come to maturity quickly.

Moisture is ample in the Saskatchewan valley, being about 18 inches annually. It is notable that about 75 per cent. of the moisture falls during the crop months. Thus, Western Canada gets as much moisture when it is needed and with several hours more sunshine daily than land further south gets during the growing season, it is not difficult to understand why crops mature quickly and yield bountifully.

Winter ends quickly, sowing is done during April and sometimes in March. Harvest comes in August, about the middle. Cyclones, blizzards, dust and sand storms are unknown.

**Evening It Up.**

Towne—Hear what Sniffkins did when the collection plate came 'round to him in church last Sunday?  
Brown—No. Dropped a button in, I suppose.  
Towne—Not even that. He leaned over and whispered to the pastor's fare in the car, yesterday morning. We'll call it square.—Philadelphia Press.

The Editor of the Rural New Yorker, than whom there is no better Potato Expert in the country says: "Salzer's Earliest Potato is the earliest of 38 earliest sorts, tried by me, yielding 461 bu. per acre." Salzer's Early Wisconsin yielded for the Rural New Yorker 736 bu. per acre. Now Salzer has heavier yielding varieties than above. See Salzer's catalog.

JUST SEND 10c IN STAMPS and this notice to the John A. Salzer Seed Co., La Crosse, Wis., and receive lots of farm seed samples and their big catalog, which is brim full of rare things for the gardener and farmer, easily worth \$100.00 to every wide-awake farmer.

It describes Salzer's Teasents, yielding 180,000 lbs. per acre, of rich green fodder, Salzer's Victoria Rape, yielding 60,000 lbs. of sheep and hog food per acre, together with Salzer's New National Oats, which has a record of 300 bu. per acre in 20 States, so also full description of Alfalfa Clover, Giant Incarnat Clover, Alsike, Timothy and thousands of other Fodder Plants, Grasses, Wheat, Speltz, Barleys, etc. [K. L.]

**Geographical Changes.**

"I don't see any use in having wars in this advanced age," remarked Mrs. Suburba, turning up the lamp.  
"If you were a mapmaker," replied Mr. Suburba, glancing up so in the new atlas on his knees, "you probably would."—Cincinnati Times-Star.

**CUTICURA OINTMENT**

The World's Greatest Skin Care and Sweetest Emollient—Positively Unrivalled.

Cuticura Ointment is beyond question the most successful curative for torturing, disfiguring humors of the skin and scalp, including loss of hair, ever compounded, in proof of which a single anointing with it, preceded by a hot bath with Cuticura Soap, and followed in the severer cases by the use of Cuticura Resolvent Pills, is often sufficient to afford immediate relief in the most distressing forms of itching, burning and scaly humors, permits rest and sleep, and points to a speedy cure when all else fails. It is especially so in the treatment of infants and children, speedily soothing and healing the most distressing cases.

"These deceitful women are so ridiculous," said Miss Passy. "As for me, I was never afraid to tell what my age was." "No woman," replied Miss Wise, "is ever afraid to tell what her age was."—Philadelphia Press.

Teasents and Billion Dollar Grass. The two greatest fodder plants on earth, one good for 14 tons hay and the other 80 tons green fodder per acre. Grows everywhere, so does Victoria Rape, yielding 60,000 lbs. sheep and swine food per acre. [K. L.]

JUST SEND 10c IN STAMPS TO THE John A. Salzer Seed Co., LaCrosse, Wis., and receive in return their big catalog and lots of farm seed samples.

Husband—"Does Jack know Miss Peppercorn?" Wife (calmly)—"I believe not, for he has asked her to marry him."—Town and Country.

Do not believe Piso's Cure for Consumption has an equal for coughs and colds.—F. Boyer, Trinity Springs, Ind., Feb. 15, 1900.

Tombstone epitaphs don't fool the recording angel.—Chicago Daily News.

Stops the Cough and works off the cold. Laxative Bromo Quinine Tablets. Price 25 cents.



Miss Nettie Blackmore, Minneapolis, tells how any young woman may be permanently cured of monthly pains by taking Lydia E. Pinkham's Vegetable Compound.

"YOUNG WOMEN:—I had frequent headaches of a severe nature, dark spots before my eyes, and at my menstrual periods I suffered untold agony. A member of the lodge advised me to try Lydia E. Pinkham's Vegetable Compound, but I only scorned good advice and felt that my case was hopeless, but she kept at me until I bought a bottle and started taking it. I soon had the best reason in the world to change my opinion of the medicine, as each day my health improved, and finally I was entirely without pain at my menstruation periods. I am most grateful."—NETTIE BLACKMORE, 28 Central Ave., Minneapolis, Minn.

**Painful Periods**

are quickly and permanently overcome by Lydia E. Pinkham's Vegetable Compound. The above letter is only one of hundreds of thousands which prove this statement to be a fact. Menstruation is a severe strain on a woman's vitality,—if it is painful something is wrong. Don't take narcotics to deaden the pain, but remove the cause—perhaps it is caused by irregularity or womb displacements, or the development of a tumor. Whatever it is, Lydia E. Pinkham's Vegetable Compound is guaranteed to cure it.

If there is anything about your case about which you would like special advice, write freely to Mrs. Pinkham. She will treat your letter as strictly confidential. She can surely help you, for no person in America can speak from a wider experience in treating female ills. She has helped hundreds of thousands of women back to health. Her address is Lynn, Mass., and her advice is free. You are very foolish if you do not accept her kind invitation.

**Details of Another Case.**

"DEAR MRS. PINKHAM:—Ignorance and carelessness is the cause of most of the sufferings of women. I believe that if we properly understood the laws of health we would all be well, but if the sick women only knew the truth about Lydia E. Pinkham's Vegetable Compound, they would be saved much suffering and would soon be cured.

"I used it for five months for a local difficulty which had troubled me for years, and for which I had spent hundreds of dollars in the vain endeavor to rectify. My life forces were being sapped, and I was daily losing my vitality.

"Lydia E. Pinkham's Vegetable Compound cured me completely, and I am now enjoying the best of health, and am most grateful, and only too pleased to endorse such a great remedy."—MISS JENNIE L. EDWARDS, 604 H St., N. W., Washington, D. C.

Mrs. Pinkham, whose address is Lynn, Mass., will answer cheerfully and without cost all letters addressed to her by sick women.

The Genuine TOWER'S POMMEL SLICKER HAS BEEN ADVERTISED AND SOLD FOR A QUARTER OF A CENTURY LIKE WATERPROOF CLOTHING. It is made of the best materials, in black or yellow, fully guaranteed, and sold by reliable dealers everywhere. STICK TO THE SIGN OF THE FISH.

TOWER'S CANADIAN CO. Limited, A. J. TOWER CO. TORONTO, CAN. BOSTON, MASS., U.S.A.

**POPE Coaster Brake**  
ADDS  
**Safety to Luxury**  
AND WITH THE  
**TWO-SPEED GEAR**  
Makes easy the flight both up hill and down dale.

**RIDE CHAINLESS BICYCLES**

**Pope Manufacturing Co.**  
Chicago, Ill. Hartford, Conn.

**PENSIONS**

Under recent ruling of Pension Office, any Civil War Veteran who served 90 days and was honorably discharged can get pension; also the widow of such veteran if married before June, 1890. If married after June, 1890, the children can get pension. Most of pensioned veterans can get rate increased. Soldiers of Spain and Philippine Wars (and regular army) can get pension if disabled in service. Write me, I use card where others fail. E. S. WEEDEN, 148 La Salle Street, Chicago, Ill.

**PATENTS**

48-page book FREE. Highest references. FITZGERALD & CO., Box 8, Washington, D. C.

**BEST FOR THE BOWELS**

**Cascarets**

CANDY GATHARTIO

THEY WORK WHILE YOU SLEEP

GUARANTEED CURE for all bowel troubles, appendicitis, biliousness, bad breath, bad blood, ring on the stomach, foul mouth, headache, indigestion, pimples, pains after eating, liver trouble, yellow complexion and dizziness. When your bowels don't move regularly you are sick. Constipation kills more people than all other diseases together. You will never get well and stay well until you put your bowels right. Start with CASCARETS today under absolute guarantee to cure or money refunded. Sample and booklet free. Address: Sterling Remedy Co., Chicago or New York.

**MEXICAN Mustang Liniment**  
for Man, Beast or Poultry.

**MEXICAN Mustang Liniment**  
cures Cuts, Burns, Bruises.