

"He That Stays Does the Business."

All the world admires "staying power." On this quality success depends. The blood is the best friend the heart has. Hood's Sarsaparilla is the best friend the blood ever had. It cleanses it of everything, gives perfect health and strength.

Hood's Sarsaparilla
Never Disappoints

INDUSTRIAL NOTES.

The whistle on the new Atlanta Milling Company's mill has been constructed to be audible at Macon, 40 miles distant.

The glove industry, which was first settled in Gloversville, N. Y., in 1809, now represents an investment of no less than \$15,000,000. The operators earn on an average \$2 a day.

Mechanics and laborers will do well to shun the Philippines. Skilled artisans are paid an equivalent of \$15 per month in gold. Accountants, bookkeepers and clerical employes get from \$30 to \$60 per month, and the common laborer about \$4 per month in gold.

Buffalo's new Union railroad station, to cost \$6,000,000, is to have a waiting room 80x235 feet, said to be the largest in the world. The other accessories and the train shed arrangement are on the same liberal scale.

The most important iron and machinery works in Brazil is the National Rolling Mill of Rio de Janeiro, having a harbor front and railway siding. These works have a combined power of 250 horse power, with electric installation, and employ about 400 operatives.

A new industry in Kansas is the manufacture of salt. A large deposit has been discovered on the line of the Santa Fe railroad, near the town of Hutchinson, in the central part of the state, the largest in the world. More than \$3,000,000 has already been invested in plants to purify it, and the output last year reached nearly 2,000,000 barrels.

There was a young man from Lenore, who boldly went off to the war; The "beef" made him sick, He recovered quite quick By the prompt use of old Jesse Moore.

The most active volcano in the world is Mount Sangay, 17,190 feet high, situated on the eastern chain of the Andes, South America. It has been in constant eruption since 1728.

STATE OF OHIO, CITY OF TOLEDO, ss. I, FRANK J. CHENEY, make oath that he is the 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.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.
A. W. GLASSON, 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 druggists, 75c.
Hall's Family Pills are the best.

Vestadium is a recently discovered white metallic alloy, of a beautiful appearance and great strength. It seems to meet with as quick and general an acceptance as was the case with aluminum.

TAPE WORMS

"A tape worm eighteen feet long at least came on the scene after my taking two CASCARETS. This I am sure has caused my bad health for the past three years. I am still taking Cascarets, the only cathartic worthy of notice by sensible people."
Geo. W. BOWLES, Baird, Miss.

CANDY CATHARTIC
Cascarets
TRADE MARK REGISTERED
REGULATE THE LIVER
Pleasant, Palatable, Potent, Taste Good, Do Good, Never Sicken, Weaken or Grip. 10c. 25c. 50c.
CURE CONSTIPATION.
Selling Ready Company, Chicago, Montreal, New York, etc.
NO-TO-BAG Sold and guaranteed by all druggists to cure Catarrh of the Bladder.

RAMBLERS, \$40.
SHELBY IDEALS, \$20, \$25, \$30.
MANHATTANS, \$24.
Send for catalogue. Live agents wanted.
FRED T. MERRILL CYCLE CO.,
PORTLAND, OR.
SPOKANE. TACOMA. SEATTLE.

WHY ARE YOU SICK
When a little simple cleaning up of the blood will remove that tired feeling, pains in the back, headaches, etc., etc. Take
Moore's Revealed Remedy
It's a medicine with honest merit—pleasant to take. \$1.00 per bottle at your druggist's.

The Greatest Railway Systems of the United States
Use CARTER'S INK
They wouldn't use it if it wasn't good. Costs you no more than poor ink. Insist upon having it.

PISO'S CURE FOR
URINE WHERE ALL ELSE FAILS.
Best Cough Syrup. Taste Good. Use in time. Sold by druggists.
CONSUMPTION

AGRICULTURAL



Small Smoke-House.

The great difference between the price of home-grown pork and store bacon makes it a paying job for a farmer to smoke his own meat, at least for home consumption. A smoke-house is a fine thing on any farm, but like many fine things, is something of a luxury. There are many farmers who cannot afford a well arranged smoke-house. For the benefit of these we give below the sketch and description of a smoke-box which will supply the farmer's table with bacon at no expense and little trouble.

It is made of a box about 5x3 feet and 4 feet high. It is without bottom. The door for putting in and tending the meat is put in the side of the box next the top. This is about a foot wide, with hinges on the lower side. Staples are driven in the ends of the door (A, Fig. 4) with hooks (B) to slip into the staples and hold the door in place when closed. For hanging the meat, bore holes through the top of the box, far enough apart so that the pieces will not touch when hung. To hang the meat, take stout cord or pliable wire, fasten one end into the meat and run the other through the auger holes after forming a loop of it. Run a stick through the loop and your ham is secure.

A fire put in the box would make it too warm for the contents. To guard against this, the fire that furnishes the smoke is some distance from the box, being conducted to it through a covered trench or several joints of old stove-pipe. For the fireplace, dig a hole a foot or so in depth, a short distance from the box—6 feet is far enough—and connect it with the box by a trench

about half as deep as the hole. If a couple or three joints of old stove-pipe are at hand, place them in the trench with the upper end coming out under the box near the center. An old elbow joint makes this an easy thing to do. The other end of the pipe is to enter the hole. Then cover the pipe over with the loose dirt thrown out. Also bank up the smoke-box and calk all cracks possible. There will be enough smoke escape at best to insure the required drought.

When ready for the fire, start one in an old kettle or pan. Cobs make the best material, being easy to handle and keep well. When a good smoke is going, set it in the hole prepared for it, and cover over with boards, or better, a large piece of sheet-iron, tin or something of the kind. Bank this up so as to keep the smoke from escaping, and you are in a fair way to soon have your first-class bacon. The box will smoke from two to three hundred pounds at a time. It is inexpensive, easy to construct, and what is most essential, a success.—Ohio Farmer.

How to Irrigate Crops.
One of the best short cuts in watering all crops planted in rows is the use of small tubes or boxes made of lath. They are made by sawing common plastering lath in three pieces, sixteen inches long, then rip one piece in the center and nail together with two or three penny nails, so the tubes will be square, the width of a lath, about 1 1/2 inches on the outside, and a little less than three-quarters of an inch on the inside. This will also allow a stream of water sufficiently large for ordinary soils. These tubes should be placed one at the upper end of each irrigation furrow, connecting it with the feed ditch. Have the feed ditch as near level as possible. If the feed ditch has too much fall the wash will fill up the ends of the tubes. It can be remedied by placing checks or sluice boxes at proper intervals with gates sufficiently high to back the water up far enough to make the water stand nearly still. Occasional cleaning of the tubes with a small switch is all that is necessary. With this arrangement all that is required to irrigate a field is to turn the water into the feed ditch and let it run until the ground is thoroughly soaked, which is a saving of a great deal of time and attention.—F. S. Calkins, in St. Louis Globe-Democrat.

Tree Roots in Underdrains.
It is never safe to leave a large tree growing near where an underdrain has been laid, unless the tree is jointed, that is, made like the city sewer pipe, so that one end is smaller, and slides into the next, making a tightly fitting joint. As the tree is usually laid it is impossible to prevent there being a crack wide enough to admit the fibrous roots of a tree, which go everywhere in search of moisture. In the tile the tree root expands until the tile is entirely filled, and the drain is ruined. Almost any large tree will do this but the

worst of all trees are the willow, elm and locust. All of these love water, and none of them should be allowed to grow near underdrains or wells. In some parts of the country willows and locusts are planted in dooryards. But if near a well, even if the well be roofed over, their roots will find their way to the water, and spoil it for use.

Keep Young Hogs Growing.
There is an impression among farmers that hogs in summer at pasture can get enough with the swill from the house and what they can get in the fields. This was all right so long as skim-milk, one of the best foods for growth, was part of the swill, and uneaten refuse from the table was also thrown in. But in many places the skimmed milk is now sold in some form, while a better use for table refuse is found in giving it to the poultry. So the pig is starved in summer, which is the time he ought to grow the fastest, and is the poorest preparation for the heavy corn feeding that will begin in September and continue until the pig is turned over to the butcher. A half-starved animal loses the power of digesting heavy food, for the stomach, like every other organ of the body, needs to have something to do to keep in good health and strength.

Clay Soil for Pears.
It is universally agreed that a heavy clay soil is best for the pear. There are various reasons for this, the principal one being that clay soil is always rich in mineral fertilizers, while a sandy or gravelly soil is deficient in this kind of plant food. But the clay soil, though rich in phosphates and potash, may not have them in available form, and may need a dressing in spring of these minerals in available form. Trees on clay may need dressings of available potash and phosphate in the years when the tree is bearing. On sandy soil the pear tree always needs these manures. The pear roots deeply, so that it is never affected by droughts, and in clay soils it doubtless draws mineral fertilizers from the subsoil below where the roots of grain and other crops usually grow. It is a great mistake to allow the tap root of a pear tree to be cut off before it is transplanted.

Artificial Fertilization.
A scientific investigation demonstrated that the failure of some of the California fig orchards to bear fruits was due to the failure of the pollen to reach the female flower. Artificial fertilization was attempted and pollen was introduced into the flowers by a blowpipe at the proper period of growth. The trees so treated produced excellent fruit. Agents of the California fig-growers who were sent to Smyrna to study the methods used in that country, where the best and largest supply of figs come from, found that the trees were fertilized by a curious bee, which carried the pollen from flower to flower. The Smyrna fig-growers would not sell any of these bees. The California agents obtained some secretly, however, but they died before reaching Los Angeles.

No Grass for Working Horses.
It seems almost cruel not to give horses a feed of grass occasionally, even when they are hard working at this season, when grass and clover are at their prime. Yet every farmer knows that if allowed to run to grass, even for a few hours, the working horse will lose his appetite for the solid food that gives him strength, and be incapable for several days thereafter of doing a full day's work. Horses are exceedingly fond of grass and clover. Sometimes, if old hay is scarce, the farmer tries to economize by cutting some clover, and after drying it neatly into hay feeding it in place of the hay. But even this has to be given very carefully or it will work injury.

Jersey Cow Nameless.
Property of Mr. A. J. Arthur. Winner of first prize at the Royal Jersey Agricultural and Horticultural shows, 1894-'95-'96-'97-'98.

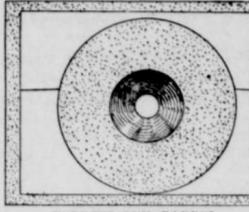
Fruit-towers as Pean Poles.
The selecting and cutting of poles for the vines of the bean to grow on is no easy task, even where timber is plentiful, and in a prairie country it is a problem. I have found a substitute for the pole in the old-fashioned sunflower, one stalk for each hill. They are ornamental, the seed is good for the poultry, and the stalks make fine kindling wood. Some may claim that the sunflower will take the strength of the ground from the beans, but my experience does not agree with this. The finest beans I ever raised were grown with sunflowers for poles.—J. L. Irwin.

Points in Planting the Lawn.
There may properly be a border of low-growing shrubbery next to the house, and it is well to plant a vine of some sort by this piazza. Nothing is better for this purpose than the common woodbine or Virginia creeper. Akebia and actinidia, two new Japanese climbers, are also good. In general, a better effect is produced by planting in masses and borders than by dotting the plants here and there over the lawn.

GUN BARREL TEST.

Simple Method of Detecting an Irregularity After Boring.

In the manufacture of Krag-Jorgensen rifles at the Springfield Arsenal the drill, which has to pass through 20 1/2 inches of barrel, is provided with a 1-32-inch oil-hole which extends through its whole length, and feeds oil directly at the point of the drill. This hole, which takes the place of the old channel cut along the side of the drill, says the Scientific American, is an improvement introduced by Major Taylor. The oil is forced through the drill by means of a small rotary pump, which forms part of the machine. Although the barrel rotates at a speed of 1,200 revolutions per minute, the constant rush of cold oil to the head is sufficient to keep the drill and barrel perfectly cool, and it also serves to carry away the chips which issue in a constant stream from the rear bushing. The barrel is drilled to a diameter of 0.295 inch, and it takes



PERFECT GUN BARREL.

75 minutes to complete the operation. The barrels are now taken to the straightening room, where the operator holds them up toward a white surface with a horizontal black line upon it and looks through the bore. If the bore is downward, the curved reflections of the black line on the surface of the bore will be convergent; if upward, they will be divergent. A few taps of the hammer quickly straighten the barrel until the reflected lines are perfectly true.



BEST GUN BARREL.

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Don't try to knock a street car over with your bicycle until you've practiced well on pedestrians. Don't take the other man's bike when leaving. It may be a better make than yours; but it's safer to take your own. A duster very slightly moistened with paraffin will do more to make and keep the enamel of a machine bright than half an hour's polishing.

Never eat a hearty meal before going on a ride, as if you do you are involving a great risk of bringing on syncope, which is almost invariably fatal. Don't be nervous when you meet a young lady acquaintance. Smile confidently, take off your cap with either hand, or both, and choose a soft place to fall.

Don't ride at less than thirty miles an hour if you are passing a horse and carriage. It is so refreshing to the nerves of the horse, if the animal is a little high-spirited.

Men cyclists, many of whom are also smokers, need never be at a loss for a patch in case of a puncture; a rubber tobacco pouch will always furnish the necessary material.

In removing a valve stem take a piece of iron—a screwdriver will do—heat it and lay it on the top of the stem base. The base will then curl up and can be easily removed.

The latest fad is the fashion of having dress-guards to match one's costume. The lace guard, consisting of cord passed in and out the holes, is undoubtedly more satisfactory than the netted ones.

Riders of bevel gear bicycles are informed that jumping on the pedals is not the way to get the best results. A steady, even pressure is the proper thing. The same suggestion is worthy of the consideration of all riders irrespective of the wheel used.

One of the latest applications of the penny-in-the-slot principle is a bicycle-pump which can be thrown into gear for filling a tire by inserting a coin. As soon as the filled tire is removed a lever locks the pump, which can be caused to work again only by dropping in another coin.

Harshly expressed: "I am determined to preserve the honor of the French army," shouted the man who had been figuring prominently in the Dreyfus case. "You're doing worse than that," answered the blunt American soldier; "you're embalming it!"—Washington Star.

The Mistress-Mary, don't let me catch you kissing that butler again. The Maid-Lor, mum, I don't mean to, but you do bob around!—Kansas City Independent.

Exhibits at Paris.

There will be a large exhibit from this country at the Paris exposition in 1900, which will prove very interesting to all, but no more so than the news that the famous American remedy, Hostetter's Stomach Bitters, will cure dyspepsia, indigestion and constipation. To all sufferers a trial is recommended.

The fishing industry of Maryland gives employment to 42,812 persons.

Two bottles of Piso's Cure for Consumption cured me of a bad lung trouble.—Mrs. J. Nichols, Princeton, Ind., March 26, 1895.

When one of her friends is sick Mrs. McKinley sends her a basket of flowers daily from the White House conservatory.

Life to a Lazy Liver.
Lazy, laden livers cause nine-tenths of all deaths. Give your liver life with Cascarets Candy Cathartic and save your own life! All druggists, 10c, 25c, 50c.

Exports of American manufacturers are over \$1,000,000 a day.

FITS Permanently Cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. Send for FREE BOTTLE and treatise. DR. R. H. KLINE, Ltd., 930 Arch Street, Philadelphia, Pa.

Wire nails are made in Brazil from imported Belgian wire.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

The maximum weight of freight locomotives is now 218,000 pounds, against 100,000 pounds 15 years ago.

SHAKE INTO YOUR SHOES
Allen's Foot-Ease, a powder for the feet. It cures painful, swollen, smarting, nervous feet and instantly takes the sting out of corns and bunions. It's the greatest comfort discovery of the age. Allen's Foot-Ease makes tight or new shoes feel easy. It is a certain cure for Ingrowing Nails, sweating, callous and hot, tired, aching feet. We have over 30,000 testimonials. Try it today. Sold by all druggists and shoe stores. By mail for 25c. in stamps. Trial package FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

A London omnibus earns on an average \$11 per day from passengers and \$25 per day from advertisers.

STORIES OF RELIEF.
Two Letters to Mrs. Pinkham.

Mrs. JOHN WILLIAMS, Englishtown, N. J., writes:

"DEAR MRS. PINKHAM:—I cannot begin to tell you how I suffered before taking your remedies. I was so weak that I could hardly walk across the floor without falling. I had womb trouble and such a bearing-down feeling; also suffered with my back and limbs, pain in womb, inflammation of the bladder, piles and indigestion. Before I had taken one bottle of Lydia E. Pinkham's Vegetable Compound I felt a great deal better, and after taking two and one-half bottles and half a box of your Liver Pills I was cured. If more would take your medicine they would not have to suffer so much."

Mrs. JOSEPH PETERSON, 513 East St., Warren, Pa., writes:

"DEAR MRS. PINKHAM:—I have suffered with womb trouble over fifteen years. I had inflammation, enlargement and displacement of the womb. I had the backache constantly, and headache, and was so dizzy. I had heart trouble, it seemed as though my heart was in my throat at times choking me. I could not walk around and I could not lie down, for then my heart would beat so fast I would feel as though I was smothering. I had to sit up in bed nights in order to breathe. I was so weak I could not do anything."

"I have now taken several bottles of Lydia E. Pinkham's Vegetable Compound, and used three packages of Sanative Wash, and can say I am perfectly cured. I do not think I could have lived long if Mrs. Pinkham's medicine had not helped me."

An old man named Gregor Berds of Erlau, in South Hungary, committed suicide because a little grandson had broken his favorite pipe. Near his body was found a note on which was written: "My pipe is dead; I will die, too."

Epileptic FITS CAN BE CURED.

If you suffer from Epilepsy, Fits, Spasms, Spells, Falling Sicknesses, St. Vitus' Dance, &c., have children, relatives, friends or neighbors that do so, or know people that are afflicted, my New Discovery, Epileptic, will give immediate relief and PERMANENTLY CURE them, and all you are asked to do is to send for a FREE BOTTLE and try it. It has cured thousands where everything else failed. My 90-page illustrated book, "Epilepsy Permanently Cured," FREE.

When writing please mention reading this in this paper, and give name, AGE and full address. All correspondence professionally confidential.

Wm. MAY, M. D.,
May Laboratory, 94 Fine St., New York City.

DR. GUNN'S IMPROVED PILLS
ONE FOR A DOSE. Cure Sick Headache and Dyspepsia, Remove Pimples and Purify the Blood, Aid Digestion and Prevent Biliousness. Do not Gripes or Sicken. To convince you, we will mail sample free, or full box for 25c. DR. HOSANKO CO., Philadelphia, Pa. Sold by Druggists.

CURE YOURSELF!
The Big 44 for unnatural discharges, indurations, irritations or ulcerations of the mucous membrane. Painful, and not astric. Sold by Druggists, or sent in plain wrapper, by express, prepaid, for \$1.00. It is the only Circum seal on request.

GREAT TAMMANY LEADER

[The Catarrh of Summer.]



Congressman Amos J. Cummings.
New York, Oct. 11th, 1898.

Per-ru-na Drug M'fg Co., Columbus, O.: Gentlemen—Per-ru-na is good for catarrh. I have tried it and know it. It relieved me immensely on my trip to Cuba, and I always have a bottle in reserve. Since my return I have not suffered from catarrh, but if I do I shall use Per-ru-na again. Meantime you might send me another bottle. Yours, Amos J. Cummings, M. C.

Summer catarrh assumes various forms. It produces dyspepsia and bowel complaint. It causes biliousness and diseases of the liver. It deranges the kidneys and bladder. Summer catarrh may derange the whole nervous system, when it is known to the medical profession as systemic catarrh. Per-ru-na is a specific for all these forms of catarrh. Per-ru-na never disappoints. Address Dr. Hartman, Columbus, Ohio, for a free book on summer catarrh.

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Fourth Street, Portland, Oregon.

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Dining and Buffet Smoking Library Cars.

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R. C. STEVENS, G. W. P. A., Seattle.

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... MANUFACTURED BY ...
CALIFORNIA FIG SYRUP CO.
IF NOTE THE NAME.

IF CLAIMANTS FOR PENSION
Write to NATHAN
E. H. K. J. Washington, D. C., they will receive quick replies. R. 20th N. H. York
Staff 20th Corps. Prosecuting claims since 1878.

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TREATING Piles produce moisture and cause itching. This form, as well as Blind, Bleeding or Protruding Piles are cured by Dr. Bosanko's Pile Remedy. Stops itching and bleeding. Also the tumors. Use a Jar at druggists or sent by mail. Treatise free. Write me about your case. DR. BOSANKO, Philadelphia, Pa.

RELIEF FOR WOMEN
DR. MARTEL'S FRENCH FEMALE PILLS
Particulars and testimonials in plain sealed letter mailed Free.
FRENCH DRUG CO., 321 & 323 Pearl St., New York

RUPTURE CURED.
We guarantee to fit every case no matter how long it has existed. Do not put it off; write for particulars at once. C. H. WOODARD & CO., Expert Truss Fitters, 108 Second Street, Portland, Or.

YOUNG MEN!
For Gonorrhoea and Gleet get Farnes' Gleet Cure. It is the ONLY medicine which will cure each and every case. NO CASE known to have ever failed to cure, no matter how serious or of how long standing. Results from its use will astonish you. It is absolutely safe, prevents stricture, and can be taken without inconvenience and without detention from business. PRICE, \$5.00. For sale by all reliable druggists, or sent prepaid by express, plainly wrapped, on receipt of price, to
FARNES' CHEMICAL CO., Chicago, Ill.
Circular mailed on request.

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