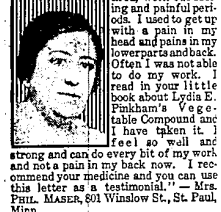


WOMAN COULD NOT WORK

Made Strong and Well by Lydia E. Pinkham's Vegetable Compound



St. Paul, Minn.—"I took Lydia E. Pinkham's Vegetable Compound for a long time, and it cured me of a nervous, worn-out feeling and painful periods. I used to get up with a pain in my head and pains in my lower back and back. Often I was not able to do my work. I read in your little book about Lydia E. Pinkham's Vegetable Compound and have taken it. I feel so well and strong and can do every bit of my work and not a pain in my back now. I recommend your medicine and you can use this letter as a testimonial."—Mrs. PHIL. MASER, 801 Winslow St., St. Paul, Minn.

Just another case where a woman found relief by taking Lydia E. Pinkham's Vegetable Compound. Many times these tired, worn-out feelings and pains about the body are from troubles only women have. The Vegetable Compound is especially adapted for just such a condition. The good results are noted by the disagreeable symptoms passing away—one after another.

Lydia E. Pinkham's Vegetable Compound is a Woman's Medicine for Women's Ailments. Always reliable.

Dr. Kellogg's Asthma Remedy

For the prompt relief of Asthma and Hay Fever. Ask your druggist for it. 25 cents and one dollar. Write for FREE SAMPLE. Northrop & Lyman Co., Inc., Buffalo, N. Y.

In Fear and Trembling. One afternoon I was taking a party of friends to a theater in town from our home in a suburb. My fiancé had kindly insisted upon my taking his commutation ticket to pay the fare. Neither of us noticed the words "Not transferable" at the top. When the conductor came in I handed him the ticket.

"Fighting me with a glare, he exploded, 'Are you Albert M. Curran?' With fear and trembling I had to explain to him the whole situation, fearing all the while that he would put us all off at the next station and I had not enough money to pay the fare back. Finally, most unwillingly, he permitted us to ride on the ticket.—Chicago Tribune.

No Peace for Umpire Anywhere. The umpire called him out at the plate. Immediately 20,000 fans rose from their seats and began hurling pot bottles and cushions at him.

"Robber! Thief!" he shouted, and chased him from the lot. That evening by the side streets he managed to reach home safely in time for his dinner. He sat down at the table, and his little wife said:

"Bill, I was at the game this afternoon, and you certainly were rotten. That man was surely by a mile."

"Triangle Stuff!" "Here's a pathetic story."

"A chorus girl in reduced circumstances was forced to take employment as a nurse maid with a millionaire's family."

"Umph! That's not so pathetic. Homes have been broken up that way."—Birmingham Age-Herald.

Very Particular. Hotel Clerk—"Will you want a private bath?" "Why look, yes, I do. Don't fancy those swimming pools."

Sure Relief FOR INDIGESTION

BELLANS INDIGESTION TABLETS. 6 BELLANS Hot water Sure Relief. 25c and 75c Packages. Everywhere.

PARKER'S HAIR BALM. HINDERCORNS. EYES HURT? Comfort Your Skin With Cuticura Soap and Fragrant Talcum.

Wolverine News Brevities

Sault Ste. Marie—Richard Martin, 101 years, died here June 27. He was a bachelor and lived on a farm near here 45 years.

Hart—The board of supervisors advised to submit to the voters at the November election a proposition to raise \$35,000 for a new county infirmary.

Benton Harbor—The Benton County board of supervisors granted the Indiana & Michigan Electric Corporation a franchise to construct a \$1,000,000 dam across St. Joseph River at King's Landing.

Owosso—Mrs. Lyvonia Holton, of this city, has sued the Michigan United Railway for \$2,000 damages for injuries alleged to have been received when she was thrown from a street car.

Saginaw—The Grand Trunk railroad has been held blameless in the death of William G. Boermann, who was killed by the road in a jitney bus accident in 1919, had whose estate is worth \$20,000.

Grand Rapids—Fred Berry, 23 years old, son of ex-Sheriff Charles Berry, is in a critical condition as a result of injuries suffered when he dove into shallow water at the Manhattan bathing beach, Reser's Lake. It is believed his life is broken.

Owosso—Proprietor of farm organizations, the Chamber of Commerce join with the farmers in arranging a county-wide picnic as a means of bringing merchants and farmers into closer touch, was announced by the chamber of commerce.

Ironwood—City council here voted to buy two motor buses to operate a municipal bus line to outlying districts, despite the fact that the street car company, several weeks ago, had presented to the council a plan where action will increase the total number of buses on the range to seven.

Coral—Hans Carlsen, 68 years old, a farmer living near Trufant, was killed on the east coast of Lakeview, when the tug on which he had been riding tipped over onto him, just after he had jumped from it to avoid an accident. R. B. Caldwell, of Trufant, the driver of the truck, escaped unharmed.

Detroit—Charles C. Jones, reputed head of the "brokers" firm of J. J. Siskula & Company, through whose transactions investors lost upwards of \$1,000,000, was sentenced to serve two years in the house of correction and pay a fine of \$4,000, the maximum, for a conspiracy to defraud. The case will be appealed.

Flint—Alleging that certain county officers collected salaries illegally, Supervisor Eugene Fleming introduced a resolution before the board of supervisors requiring the body to ask Bourke Prosecuting Attorney Harry Gault to institute proceedings immediately to recover the alleged excess payments for the last six years.

Ironwood—Reward of \$500 was offered by Gogebic county officials for the capture of the body to which he held up Theodore Dickman, robbed him of money and valuables and then shot him in the forehead. Dickman is not expected to live. The thug's victim is the engineer of the city water plant. He was a party to the case after a visit to a nearby town where the attack was made.

Lansing—Auditor General O. B. Fuller was ordered to halt the payment of bounty claims to counties and an investigation into the matter of bounty payments by the state conservation department was authorized by the state administrative board. According to a report made to the board, \$182,000 of a \$200,000 appropriation for bounty claims had been expended. The remaining \$18,000 must meet all claims for another year.

Kalamazoo—Kalamazoo milk consumers will be protected by what is said to be the most drastic ordinance in Michigan. The new ordinance requires a tubercular test on all cattle used to supply milk to this city regardless of whether the milk is pasteurized before it reaches the market, prohibits the sale of milk with greater than 30,000 bacteria per cubic centimeter, and requires the use of umbrella-shaped lids for milk cans.

Saginaw—Commissioner Phoenix, who presides over the department of parks in the city commission, must settle a point as to whether playground apparatus should be placed in the hands of all residents of the first ward have asked the council to declare the apparatus a nuisance and remove it, holding that children play there all hours of the night. While the 51 pieces of apparatus are scattered throughout the ward, there are 896 folks in the same neighborhood ask that the apparatus and playgrounds be continued.

Lansing—Detroit Edison Co. rates were ordered cut by the Michigan public utilities commission, the reduction taking effect July 1. The order is a temporary one, pending appraisal of the company's property and the commission announces that if the coal strike continues and the rate strike continues, it will be forced to readjust the rates. Lighting rates are cut from 14 cents per kilowatt to 12 cents, and power from \$4.50 to \$3.60 for under 100 per kilowatt from \$3 to \$2.50 for more than 100 hours a month.

RADIO

MORE ABOUT VACUUM TUBE AS A DETECTOR

How a "Three-Electrode" is Connected in a Simple Radio Receiving Circuit.

Obviously working the tube at a point on the upper bend of the characteristic curve would produce the same symmetrical changes in the plate circuit by symmetrical changes in the grid potential as it will if the tube is worked at the lower end of

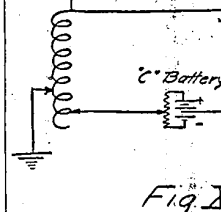


Fig. IX

line of the curve. However, the alternating current applied to the grid would now produce a large decrease and a small increase of the plate current, the reverse of that shown in Fig. 9. The objection to working the tube on the upper bend of the curve is that when no potential is applied to the grid a relatively large

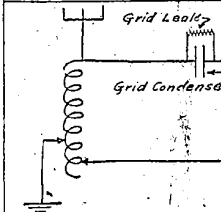


Fig. XI

current would flow in the plate circuit and rapidly exhaust the battery. Should the tube, by means of the potential applied to the grid, be made to operate at a point on the characteristic curve midway between the upper and lower bends—that is, on the straight part of the curve, symmetrical variations in the grid potential would cause symmetrical change in

USING ELECTRIC LIGHT WIRE

Experts Tell the Safe Way to Employ This System for Radio Receiving.

Since the announcement that the bureau of standards of the department of commerce had perfected a method of employing electric light wires in place of aerials, considerable experimenting has been done by various amateurs, some of whom have had good luck while others succeeded only in blowing a large number of fuses.

Engineers of an eastern electric light company have offered the following suggestions to amateurs: "First—Successful results have been obtained so far only with audio-bulb sets. Crystal sets receive the signals, but for some reason they are very weak and indistinct.

"Second—No set should be used on this system without air or oil filled condensers, placed in series with either the antenna circuit or the ground circuit—preferably in the antenna circuit.

"Third—A fuse not heavier than one-half ampere should be used in series and just ahead of the antenna connection.

"Fourth—An ordinary separate detachment plug, one with two separate blades connecting the two separate halves of the plug—is used. Only one wire is run from this plug, the other binding screw left unattached. This single conductor wire should be long enough to reach from a handy electric light socket to the table where the instrument is located and should terminate in the fuse mentioned above. In case an externally connected condenser is used, the circuit should be run from the fuse to the condenser

plate circuit current, and the tube would not function as a detector. Fig. 10 shows how a three-electrode vacuum tube is connected in a simple radio receiving circuit. The "B" battery furnishing the necessary plate potential is connected with its positive side through the phones to the plate. The filament is heated to the required temperature by the battery "A." The incoming radio frequency alternating current is applied to the grid and the negative side of the filament through the "C" battery. By connecting the negative side of the filament to the midpoint of the "C" battery a positive potential can be applied to the grid by moving the slider on the "C" battery potentiometer up, or the grid can be made negative with respect to the filament by moving the slider on the "C" battery potentiometer down.

In practice a "C" battery is not used to force a three-electrode vacuum tube to function as a detector.

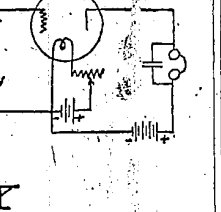


Fig. 10

Fig. 11 shows how a so-called grid condenser and a grid leak resistance are used in conjunction with a three-element vacuum tube so that it will function as a detector in a radio receiving circuit.

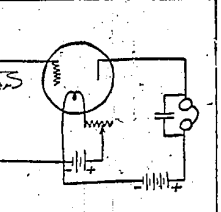


Fig. 11

The grid condenser will allow alternating current to flow to the grid but will not allow any charge that might collect on the grid to flow through it to the filament. The only way a charge that might collect on the grid could flow to the filament would be through the high resistance of about 500,000 to 1,000,000 ohms and would allow only the charge of the grid to leak off slowly.

and from the condenser to the antenna binding post of the receiving set. In sets where the condenser is built into the instrument, the connection from the fuse is run directly to the antenna binding post. All other connections should be exactly the same as for conventional overhead aerial receiving.

"Screw the attachment plug into the electric light socket and tune as usual. In case no signals are received reverse the blades of the attachment plug by simply pulling the attachment plug apart and turning the lower half half-way around.

"Caution—Under no consideration should the connection from the electric light socket be brought directly into contact with the ground connection, or fuses will be blown in the house circuit and the whole house left without light. Operator's should also be careful about making contact themselves bodily with the electric light wire and ground at the same time, in order to avoid shock."

SHORT FLASHES

The first national radio compass station on the Great Lakes was recently installed. Other stations will shortly be in service when the "greatness" of the lakes will have lost its terrors.

It is claimed by John Hayes Hammond, Jr., Dr. E. L. Chaffee have patented an apparatus that is a secrecy in wireless. The system is based on a principle of producing characteristic wave, to which only especially equipped receivers are responsive.

The Limit

Architect—No, where would you prefer the draw room, sir? Mr. Newberry—Look here, young man, I've let you put up a smoking room, when I don't smoke; a music room, when I couldn't play a mouth organ; a nursery, when I ain't got no nursery; and a pantry, when I don't pan; but I'm going to put the kitchen on the drawin' room when I couldn't even draw a straight line.

BOWRON SOUGHT RELIEF 40 YEARS

Tanlac Restores Los Angeles Man to Splendid Health After Everything Else Had Failed.

"Tanlac has done me more good than all other medicines and treatments combined, and that's saying a great deal, for I was a sufferer from indigestion forty years and have tried every kind of medicine that came my way," said R. H. Bowron, 1835 W. 17th St., Los Angeles, Cal. "I could hardly stand the bad spells I frequently had with my stomach. I was weak and nervous, had no appetite, and I felt miserable generally. Nothing I took gave me more than temporary relief and I gradually grew worse.

"About two years ago Tanlac put me in splendid condition and it has been my standby ever since. Whenever I get to feeling a little off, a bottle or two puts me in fine shape. I eat heartily now, sleep fine, have no distress after meals, and, in fact, am enjoying splendid health. Tanlac is just the thing for those who suffer as I did.

Tanlac is sold by all good druggists.

ENGLISH FAKER HAD GENIUS

More Than a Century and a Half Ago He Made Big Money With His "Celestial Bed."

One of the most brazen fakers in history was Doctor Graham, who, in 1770, opened a "Temple of Health" in London. He had recently come from America and had somewhere picked up an elementary knowledge of electricity, or at least its terminology. He had at his temple a "celestial bed" which, if a sick person slept in it, was advertised to be a sure cure.

This non-conducting piece of furniture was made by one Denton, on Doctor Graham's order. It was beautifully carved, covered with silk damask, supported by 25 brass pillars, and surrounded by a richly carved and gilt canopy from which crimson curtains with fringe and tassels were suspended.

In his advertisement he claimed: "This bed is non-conducting. In a neighboring closet is placed a cylinder by which I communicate celestial fire to the bedchamber, that fluid which animates and vivifies all." He charged patients to see the bed. To sleep in it cost £50 (\$250). Later the rate was reduced to £25 (\$125). Graham was a skillful stage-manager and made a lot of money with his "celestial bed."

Don't Forget Cuticura Talcum

When adding to your toilet requisites. An exquisite face, skin, baby and dusting powder and perfume, rendering other soaps superfluous. You may rely on it because one of the Cuticura Trio (Soap, Ointment and Talcum), 25c each everywhere.—Advertisement.

What Did He Mean by None?

His minister was visiting one of his thrifty parishioners when the latter's little son came into the room. After a few words with him the minister handed him a penny. "You'd better put it in your hand and let it grow," he suggested. "It's too small to buy anything now."

"The father of the house began to chuckle when the minister returned. "It'll be till Sunday, then, and put it in the church basket with papa's pennies."

The minister tried to relieve the embarrassment. "There is too small," he said, "to give to the Lord."

But the parishioner said to what he meant by none.

Excellent Advice.

"Never refuse to see what you do not want to see or which might go against your own cherished hypothesis or against the views of authorities. These are just the clew to follow up as it is also and enthusiastically so the thing you have never seen or heard of before. For the thing you cannot get a pigeonhole for is the finger point showing the way to discovery."

This advice to scientists and others was given in a lecture by Sir Patrick Manson, the celebrated British physician who discovered that malaria is caused by mosquitoes. Sir Patrick died a few weeks ago.—Exchange.

Back to the Simple Life.

Back to his native haud, there recently sailed from England a South Sea Islander, a direct descendant of a line of famous Fiji chieftains. He graduated from Oxford university, England, in 1903, served as a cook with the B. M. A. corps in France in 1910 and later as a clerk with the Royal Scotch Borderers, earning a bravery clasp and being medaled by King George. He has returned to the South Pacific, desiring civilization to live among his fellow Fiji Islanders.

Her Heart Upon Her Sleeve.

From a Novel—"It is in her hands that the benefit word carries her soul." Not a big arrival in most cases.—Exchange.

You'll Like No. 10 EXCELLO SUSPENDERS. Features: 1. No rubber bands. 2. No metal fasteners. 3. No irritating dyes. 4. No irritating chemicals. 5. No irritating materials. 6. No irritating colors. 7. No irritating textures. 8. No irritating odors. 9. No irritating tastes. 10. No irritating feelings.

111 cigarettes. They are GOOD! color your hair easily, quickly and safely by using S-Bone Hair Color Remedy. Store: Rate to use as water. Make you look young again. All good druggists, 75 cents, or direct from BESSIE ELLER, Galesville, Minneapolis, Tenn.

Help Wanted. Laborers, 40c and 45c per hour. Carpenters, 70c to 80c per hour. Plenty of Steady Work for Good Men. Owen-Ames-Kimball Co. Building Contractors Michigan Trust Bldg. Grand Rapids, Mich.

YOU CAN SQUEEZED TO DEATH. When the body begins to stiffen and movement becomes painful it is usually an indication that the kidneys are out of order. Keep these organs healthy by taking GOLD MEDAL MARMEROL TABLETS. The world's standard remedy for kidney, liver, bladder and uric acid troubles. Famous since 1695. Take regularly and keep in good health. In three sizes, all druggists. Guaranteed or your money back. Look for the name Gold Medal on every box and accept no imitation.

USEFUL for all the little ailments—bumps, bruises, sores, sunburn and chafing. Keep a bottle in the house. It's safe and pure. It costs very little. CHESEBROUGH MFG. CO. (Consolidated) State Street New York. Vaseline. THEY SPREAD GIBBER. Blood purifier, DANZER'S PILLS, and all the other "miraculous" remedies that are sold by mail. Vaseline is the only one that is safe and pure. It costs very little. CHESEBROUGH MFG. CO. (Consolidated) State Street New York.

Kill All Flies! DANZER'S PILLS. Blood purifier, DANZER'S PILLS, and all the other "miraculous" remedies that are sold by mail. Vaseline is the only one that is safe and pure. It costs very little. CHESEBROUGH MFG. CO. (Consolidated) State Street New York.

WANTED Common Laborers machine molders, shakout men and men to unload core ovens. Previous experience not necessary. Lakey Foundry & Machine Company Muskegon, Michigan.

REAL ESTATE—WHEN WANTING TO BUY or sell in any city, inquire about us before doing so. HALL-TITCHE COMPANY, 117 N. W. Street, DETROIT, MICHIGAN.

New Shoes—Old Shoes—Tight Shoes all feel the same if you shake into them some ALLEN'S FOOT-EASE. The Antiseptic, Healing Powder for the Feet. Takes the friction from the shoe, freshens the foot and gives new vigor. At night, when your feet are tired, sore and swollen from walking or dancing, Sprinkle ALLEN'S FOOT-EASE in the foot-bath and enjoy the bliss of feet without shoes. Over 1,000,000 boxes of Powder for the Feet were sold in the U. S. in 1919. In a Pinch, Use ALLEN'S FOOT-EASE. From the Feet.