

THE TIME TEST.

That is What Proves True Merit.



Doan's Kidney Pills bring the quickest relief from backache and kidney troubles. Is that relief lasting? Let Mrs. James M. Long, of 113 Augusta St., Staunton, Va., tell you. On January 31st, 1903, Mrs. Long wrote: "Doan's Kidney Pills have cured me" (of pain in the back, urinary troubles, bearing down sensations, etc.) On June 20th, 1907, four and one-half years later, she said: "I haven't had kidney trouble since. I repeat my testimony."

Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

HIS ONLY OPPORTUNITY.



"Does your wife talk in her sleep, major?"
"No, I talk in her sleep—it's the only chance I get."

SHE COULD NOT WALK

For Months—Burning Humor on Ankles—Opiates Alone Brought Sleep—Eczema Yielded to Cuticura.

"I had eczema for over two years. I had two physicians, but they only gave me relief for a short time and I cannot enumerate the ointments and lotions I used to no purpose. My ankles were one mass of sores. The itching and burning were so intense that I could not sleep. I could not walk for nearly four months. One day my husband said I had better try the Cuticura Remedies. After using them three times I had the best night's rest in months unless I took an opiate. I used one set of Cuticura Soap, Ointment, and Pills, and my ankles healed in a short time. It is now a year since I used Cuticura, and there has been no return of the eczema. Mrs. David Brown, Locke, Ark., May 18 and July 13, 1907."

Gloomy Outlook.

Long Winded Orator (lowering his voice to an impressive whisper)—"Have you ever, O, my friends, allowed yourselves to wonder where you will be and what you will be doing when another century shall have rolled around?"

Wearied Auditor (in an equally impressive whisper)—"Yes—we'll still be here waiting for you to finish your speech!"

STATE OF OHIO, CITY OF TOLEDO, ss.

LUCAS COTNEY, 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 15th day of December, A. D. 1907.

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.

On Diminutives.
The Sphinx was asking a riddle.
"Why does a man in love always want to call a 200-pound maiden his 'little girl'?"
With one accord they gave it up.

Chocolate Pie is Healthful.
Chocolate is healthful and nutritious and chocolate pies are becoming very popular. They are easy to make if you use "OUR-FIB." Chocolate flavor. Directions on package. Contains all ingredients ready for instant use. At grocers, 10c. Order to-day.

Methodist Episcopal Property.
The Methodist Episcopal church property in this country is now worth about \$187,000,000, on which there is an indebtedness of \$12,127,248.

The very wisest advice: take Garfield Tea whenever a laxative is indicated! Pleasant to the taste, simple, pure, mild, potent and health-giving. Made of Herbs—not drugs.

It may be a blessed fortune for Socrates that Xantippe didn't keep a diary to be published 2,000 years after her death.

When Your Throat Feels Sore get a 25c box of Brown's Bronchial Troches. They give immediate relief. Contain nothing injurious.

Different. The good die young, but this isn't true of jokes.

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. 75c.

Shortly after a man goes up against the matrimonial game his bump of hope becomes a dent.

Mrs. Winslow's Soothing Syrup. For children, teething, softens the gums, reduces inflammation, allays pain, cures wind colic. 25c a bottle.

As a man dresses so he is esteemed—Danish.

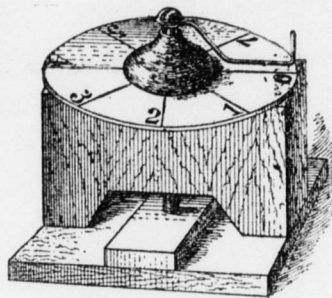
INDUSTRY & MECHANICS

A MICROMETER.

Instrument for Delicate Measurements Which You Can Make.

It often becomes necessary for the experimenter or practical worker to find the thickness of material so thin, or inconvenient to measure, that the thickness cannot be found by means of foot rule or other common measuring device. A simple, fairly accurate and easily made apparatus of the micrometer form may be constructed as follows, explains Dr. Thomas R. Baker in Scientific American.

Get a common iron or brass bolt about one-quarter of an inch in diameter and 2 1/2 inches long, with as fine a thread as possible, and the thread cut to within a short distance of the head of the bolt. A bolt with a cut in the head for a screw driver should be used. Clamp together two blocks of wood with square corners about one inch wide, three-quarters of an inch thick and 2 1/2 inches long, with their narrower faces in contact (the width of the clamped blocks being two inches), and bore a quarter-



A Home-Made Micrometer.

inch hole through the center of the blocks in the two-inch direction. Now remove the clamp and let the nut of the bolt into one of the blocks so that its hole will be continuous with the hole in the wood, then glue the blocks together with the nut between them. Cut out a piece from the block combination, leaving it shaped somewhat like a bench, and glue the bottoms of the legs to a piece of thin board about 2 1/2 inches square for a support. Solder one end of a stiff wire about two inches long to the head of the bolt at right angles to the shaft and fix a disk of heavy pasteboard with a radius equal to the length of the wire, and with its circumference graduated into equal spaces, to serve in measuring revolutions and parts of revolutions of the end of the wire, to the top of the bench; put the bolt in the hole, screwing it through the nut, and the construction is complete.

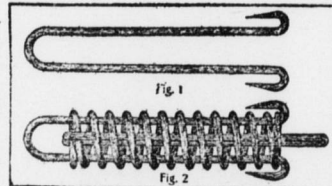
The base is improved for the measuring work by gluing to a central section of it, covering the place where the end of the bolt meets it, a small piece of stiff metal; and it is convenient to have the graduated disk capable of rotating, so that its zero line may be made to coincide with the wire. Find the number of threads of the screw to the inch by placing the bolt on a measuring rule and counting the threads in an inch or half an inch of its length. The bolt in making one revolution will descend a distance equal to the distance between the threads.

To use the apparatus, put the object whose thickness is to be measured on the base under the bolt, and screw the bolt down until its end just touches the object, then remove the object and screw the bolt down until its end just touches the base, carefully noting while doing so the distance that the end of the wire moves over the scale. The part of a rotation of the bolt, or the number of rotations with any additional parts of a rotation added, divided by the number of threads to the inch, will be the thickness of the object. Quite accurate measurements may be made with this instrument, and in the absence of the expensive micrometer it serves a very useful purpose. I have used it in the beginning classes in electricity for measuring the diameter of wire, for finding the numbers of wires from reference tables and for making various other measurements.

HOME-MADE DRAFT SPRING.

How One Can Be Made from Old Machinery Spring.

A draft spring for use on the even or tongue of agricultural implements, to relieve the jerk on the horses' shoulders, may be made from any old



The Draft Spring.

corn-plow or machinery spring. Two loops are formed as shown in Fig. 1 from 3/8-inch round iron. Insert one loop from each end of the spring as in Fig. 2. The clevis or pulling trace may be fastened in either end.

Smallest Electric Motor.

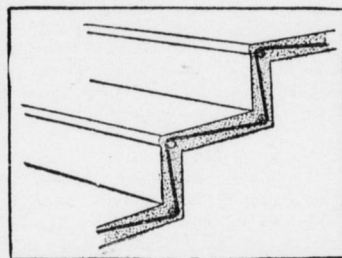
A German mechanic has built the smallest motor in the world. It is used as a scarf pin and is run by a battery in his pocket. He keeps it in constant operation.

TO MAKE CONCRETE STEPS.

Directions for Putting in a Permanent Improvement.

Concrete may be used in the construction of steps, particularly in damp places, and in the open or where the ground is terraced, concrete steps and walks can be made exceedingly attractive. Where the ground is firm it may be cut away in the form of steps, with each step cut two or three inches lower than its finished level.

When the nature of the ground will not admit of its being cut away in the form of steps, the risers are molded



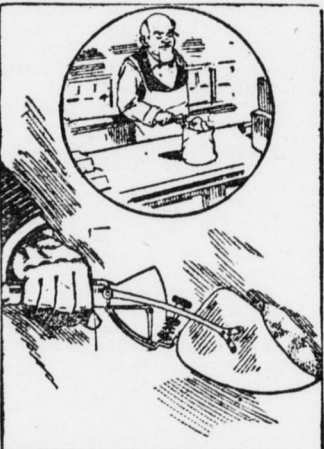
Reinforced Concrete Steps.

between two vertical forms. The front one may be a smooth board, but the other should be a thin piece of sheet metal, which is more easily removed after the earth has been tamped in behind it, says the Concrete Review. A simple method of reinforcing concrete steps is to place a half-inch steel rod in each corner, and thread these with quarter-inch rods bent to the shape of the steps, as shown in the sketch, placing them about two feet apart. For this class of work a rich Portland cement concrete is recommended, with the use of stone or gravel under one-half inch in size. Steps may be given one-half inch wearing surface of cement mortar mixed in the proportion of one part cement to two parts sand. This system is well adapted for stairways in houses.

SCOOP THAT WEIGHS.

Does Away with the Necessity of Employing Counter Scales.

Every grocer can scoop up sugar or coffee, etc., from the storage bin and very closely gauge the correct quantity. Yet he would not be willing to give it to the customer as the full weight to be purchased without first testing it on the scales. A Texas man has hit upon the idea of having the scoop indicate the weight of the contents, eliminating the necessity of transferring it to scales. His weighing scoop is shown in the accompany-



Scoop Which Indicates Weight.

ing illustration. The pan for gathering up the article to be weighed is pivoted to the handle and operates a pointer, which indicates the weight of the contents on a scale. If a pound of sugar is wanted the grocer dips enough out of the bin to swing the pointer to the pound mark. The sugar is then transferred directly to a bag, doing away with the necessity of weighing on scales.

TESTING A BRIDGE.

Severe Strain Placed Upon the New Rodah Bridge at Cairo.

The Rodah bridge at Cairo is practically finished as far as the structural work itself is concerned. This bridge is now undergoing the official tests, but it will not be publicly opened to traffic until the terminals of the structure are finally completed, together with the approaches at one end. This is a work that will probably take some time to accomplish. The tests are of a severe character, dead weights of sand and steel rails being piled up on each pier in succession, exerting a pressure of 1,000 tons. Subsequently live weights of steam rollers and tractors loaded with sand and water carts filled with water are to be run on the bridge, with a total pressure of 460 tons on the main girders. The tests so far have been, so we gather, satisfactory in their results. No fault or strain has been revealed in the material.

How Ancients Did.

By rubbing metals with salt, before applying mercury, the ancients obtained a reaction similar to that for which copper sulphate is used. The chlorine released from the salt formed a silver chloride easily attacked by the mercury, so as to form an amalgam.

First Rubber from Zululand.

A first shipment of Tonaland and Zululand rubber has been dispatched to London from Durban. A large tract of rubber country is being worked under a concession granted by the Natal government, and regular shipments are expected.

CARE OF THE KITCHEN

Clean Walls Are an Essential to Sanitary Cooking.

It is not only important to know how to cook, but it is equally important to know where to cook. Cooking in a dirty kitchen can never produce good food. The idea is simply preposterous, yet kitchen walls are left for months—sometimes for years without cleansing.

In the first place the kitchen wall should have a light tint that the merest fleck of dirt can be seen; that the sheersert cobweb can be brushed away; that the tiniest water bug can be discerned. It is all fully expecting clean food in a kitchen with dirty walls.

Never put a wall coating on a kitchen wall that is mixed with hot water or that has glue in it, or sour milk in it if mixed with cold water. Glue walls made from horses' hoofs colored up with cheap colorings do not indicate good housekeeping. The glue is constantly flecking off, falling into the food and the idea of food flavored with glue made from horses' hoofs is not appetizing.

Kitchen walls to be thoroughly satisfactory should be alabastined the same as every other wall in the house. They should be coated regularly in the spring and fall of each year with a light tint.

The care of the pantry requires constant attention. The walls should be brushed over every year, the dishes removed from the shelves which should be thoroughly wiped with hot water. If there are ant holes or any other insects in the pantries a thick putty of the wall coating can be made and all the ant holes, even small mice holes can be filled with it which will protect the pantry from the incursions of disagreeable insects and mice.

STILL HAD USE FOR BOOTS.

Kafir's Newly-Acquired Treasure Put to Queer Use.

An army officer in charge of a native district in South Africa presented to the kafir boy who acted as his particular servant a pair of strong, heavily nailed army boots.

The boy was delighted with the gift, and at once sat down and put the boots on. They were the very first pair he had ever had in his life, and for several days afterward he strutted proudly about the camp with them.

But at the end of the week he appeared as usual with bare feet and the boots tied round his neck.

"Hello!" said his master. "Why don't you wear your boots? Are they too small for you?"

"Oh, no, sah," replied the kafir, "they plenty big. Berry nice boots, sah, but no good for walking or running. Make um fellah too much slow, sah. Keep boots now for wear in bed."—London Answers.

CLIP THIS OUT

Valuable Recipe When Afflicted With Rheumatism or Backache, Also Splendid Tonic.

At the first sign of rheumatic pains or backache, or a feeling of being generally run down and weakened, the following simple prescription should be used: "One ounce compound Syrup Sarsaparilla; one ounce Toris Root compound; half pint high grade whiskey. Mix them and shake well. Take a tablespoonful before each meal and at bed time. The bottle must be well shaken each time."

Any good prescription pharmacy can supply these ingredients and it will be found inexpensive considering its wonderful merit.

This treatment will eradicate the acid poisons from the blood and build up the system to its normal healthiness. The splendid effects will become manifest after the first few doses, but it should be continued for at least a month, or until the person has fully regained health. The worst cases of rheumatism are bound to yield to this treatment.

Treadmill Still in Use.

The barbarous custom of using convicts in treadmills is still practiced in some English prisons, declares Popular Mechanics, and an interesting picture shows the convicts at this trying task. The speed is about 30 steps a minute, and if a man misses a step a cross-bar strikes the calves of his legs.

Syrup of Figs and Elixir of Senna
acts gently yet promptly on the bowels, cleanses the system effectually, assists one in overcoming habitual constipation permanently. To get its beneficial effects buy the genuine.
Manufactured by the
CALIFORNIA FIG SYRUP CO.
SOLD BY LEADING DRUGGISTS—50¢ per BOTTLE.

Millions in Oats and Barley.

Nothing will pay you better for 1908 than to sow a plenty of high yielding oats and barley with oats at 40c to 50c a bu. (Salzer's new Emperor William Oats averaged 50 bu. per acre more than any other variety in 1907) would pay immensely while Salzer's Silver King Barley which proved itself the biggest yielder at the Wisconsin Agricultural Station during 1907 if you had planted 50 acres would have given you in 1907 just \$3,500.00 on 50 acres. It is an enormous yielder.

JUST SEND THIS NOTICE AND 10c to the John A. Salzer Seed Co., La Crosse, Wis., and we will mail you the only original seed catalog published in America with samples of Emperor William Oats, Silver King Barley, Billion Dollar Grass which produces 12 tons per acre, Sainfoin the dry soil luxuriator, etc., etc., and if you send 14c we add a package of new farm seeds never before seen by you.



GOT IT.

Cholly—Er—h'm did you ever hear your sister speak of me, Willie?
Willie—Sure; I heard sis say dat your head was shaped like a lemon.

Getting Down to Facts.

"In your opinion," asked the member of the investigating committee, "what is the cause of the evident unrest among the Indians?"

Comanche Pete, the noted scout, blew a cloud of smoke into the atmosphere. Then he took his pipe out of his mouth. "Fleas," he answered.

Important to Mothers.

Examine carefully every bottle of CASTORIA a safe and sure remedy for infants and children, and see that it bears the Signature of *Dr. J. C. Hathorn* in Use For Over 30 Years. The Kind You Have Always Bought.

Might Have Been Quicker.

"Yes," Gussie was saying, "it was the first time I had met him and he actually called me a fool. Hadn't been talking to him five minutes, either. Say, what kind of a fellow is he, anyway?"
"Well," replied Knox, quietly, "he's awfully slow, for one thing."

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.

The young man who hesitates during leap year is won.

STIFF, YES?
WET AND DAMP CAUSE COLD IN THE JOINTS
ST. JACOBS OIL
TAKES OUT THE PAIN AT ONCE, REMOVES THE STIFFNESS, PREVENTS ITS RETURN, TOO. FINE FOR BRUISES, SPRAINS AND SORENESS.
Price 25c and 50c.

The San Joaquin Valley
The greatest irrigated valley in California, offers the man of limited means but limitless ambition a home, a livelihood and a surplus.
Forty acres of this land is ample; twenty will give you a start. Land can be bought for about \$60.00 an acre on attractive terms. Water for irrigation is abundant and cheap. You begin marketing some of your crops the first year. Alfalfa, peaches, oranges, grapes, all the big money crops are proven successes.
You can go at small expense this spring.
From March 1 to April 30
One-way Colonist Tickets to California
will be sold at—for instance
\$38.00 from Chicago
\$35.50 from St. Louis
\$30.00 from Missouri River
I have a profusely illustrated booklet filled with valuable information that I want to send to you—it's free. Won't you supply the name and address?
C. L. Seagraves, Gen'l Colonization Agent, A. T. S. F. Ry.
1115A Railway Exchange
Chicago, Ill.

W. L. DOUGLAS SHOES
\$3.00 SHOES \$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 men's \$2.50, \$3.00 and \$3.50 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.
W. L. Douglas \$4 and \$5 Gilt Edge Shoes Cannot Be Equalled At Any Price.
W. L. Douglas name and price is stamped on bottom. Take No Substitute. Sold by the best shoe dealers everywhere. Shoes mailed from factory to any part of the world. Illustrated Catalog free to any address.
W. L. DOUGLAS, Northampton, Mass.

SICK HEADACHE
Positively cured by these Little Pills.
They also relieve Distress from Dyspepsia, Indigestion and Too Hearty Eating. A perfect remedy for Dizziness, Nausea, Headaches, Bad Taste in the Mouth, Coated Tongue, Pain in the Side, TORPID LIVER. They regulate the Bowels. Purely Vegetable.
CARTER'S LITTLE LIVER PILLS.
They regulate the Bowels. Purely Vegetable.
SMALL PILL. SMALL DOSE. SMALL PRICE.
CARTER'S LITTLE LIVER PILLS.
Genuine Must Bear Fac-Simile Signature
Dr. J. C. Hathorn
REFUSE SUBSTITUTES.

LIVE STOCK AND MISCELLANEOUS
Electrotypes
IN GREAT VARIETY FOR SALE AT THE LOWEST PRICES BY
A. N. KELLOGG NEWSPAPER CO.
73 W. Adams St., Chicago

HICKS' CAPUDINE
CURES ALL ACHES And Nervousness
Trial bottle 10c. All druggists.

READERS of this paper desiring to buy anything advertised in its columns should insist upon having what they ask for, refusing all substitutes or imitations.

SEED THAT'S PURE
All our seed is tested and warranted to be reliable. Write for our new Catalogue. It's FREE.
J. J. H. GARDNER & SON, MANHATTAN, MASS.
If interested in poultry, write for our booklet **20 Years with Poultry** illustrated. Informal facts and up-to-date ideas for the advanced poultry raiser. FREE!
GEO. H. LEE CO., Omaha, Neb.
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