

Pennsylvania RAILROAD.

PHILADELPHIA AND ERIE RAIL ROAD DIVISION.

In effect May 28, 1905. TRAINS LEAVE EMPORIUM EASTWARD 6:10 A. M.—Sundays only for Renovo and Week days for Sunbury, Wilkesbarre, Scranton, Hazleton, Harrisburg and intermediate stations, arriving at Philadelphia 6:23 P. M., New York 9:30 P. M., Baltimore 6:00 P. M., Washington 5:15 P. M., Pullman Parlor car from Williamsport to Philadelphia and passenger coaches from Kane to Philadelphia and Williamsport to Baltimore and Washington.

WESTWARD. 6:10 A. M.—Emporium Junction—daily for Erie, Ridgway, and week days for Buffalo, Clearfield and intermediate stations.

RIDGWAY AND CLEARFIELD R. R. CONNECTIONS. (Week days.)

Table with 3 columns: Stations, P. M. A. M. A. M., and P. M. P. M. P. M. Rows include Renovo, Driftwood, Emporium Junction, Kane, Williamsport, Johnstown, and Ridgway.

Table with 3 columns: Stations, P. M. A. M. A. M., and P. M. P. M. P. M. Rows include Mill Haven, Clearfield, Blue Rock, Carrier, Broylesville, LaSalle Mills, McMinns Summit, Harveys Run, Falls Creek, and DuBois.

Table with 3 columns: Stations, P. M. A. M. A. M., and P. M. P. M. P. M. Rows include Falls Creek, Reynoldsville, Brookville, Berwick, Red Bank, and Pittsburg.

BUFFALO & ALLEGHENY VALLEY DIVISION.

Leave Emporium Junction for Port Allegany, Ocean, Ararat, East Aurora and Buffalo. Train No. 107, daily, 4:05 A. M. Train No. 115, daily, 4:15 P. M.

LOW GRADE DIVISION.

EASTBOUND.

Table with 3 columns: Stations, 109, 113, 101, 105, 107, 951. Rows include Pittsburg, Red Bank, Lawnsboro, New Bethlehem, Broylesville, Reynoldsville, Falls Creek, DuBois, Sabilla, Pennfield, Seneca, Driftwood, and Emporium.

WESTBOUND.

Table with 3 columns: Stations, 108, 106, 102, 114, 110, 952. Rows include Emporium, Driftwood, Seneca, Pennfield, Sabilla, Reynoldsville, Broylesville, New Bethlehem, Lawnsboro, Red Bank, and Pittsburg.

On Sunday only train leaves Driftwood 8:21 a. m., arrives at DuBois 10:09 a. m., returning leaves Driftwood 4:47 p. m., arrives at Driftwood 5:40 p. m., stopping at intermediate stations.

For Time Tables and further information, apply to Ticket Agent.

J. R. WOOD, Pass'gr Traffic Mgr. W. W. ATTERBURY, Gen'l. Passenger Agt.

THE PITTSBURG, SHAWKUT & NORTHERN R. R.

Through Passenger Service Between St. Marys, Brockwayville, Shawmut, Smithport, Ocean, Friendship, Angelica, Hornellsville, Wayland, Buffalo, and New York.

Effective Sunday, May 29, 1905. Eastern Standard Time. Time of Trains at St. Marys.

DEPART.

1:55 A. M.—For Kenner (Arr. 8:14 a. m.), Berne (Arr. 8:56 a. m.), Weedville (Arr. 9:03 a. m.), Elbow (Arr. 9:46 a. m.), Shawmut (Arr. 9:58 a. m.), Brockwayville (Arr. 9:43 a. m.), Smithport (Arr. 1:37 p. m.), Ocean (Arr. 1:37 p. m.), Friendship (Arr. 2:29 p. m.), Elbow (Arr. 2:30 p. m.), Shawmut (Arr. 3:40 p. m.), Brockwayville (Arr. 3:40 p. m.), Smithport (Arr. 4:10 a. m.), Berne (Arr. 4:35 p. m.), Weedville (Arr. 4:48 p. m.), Angelica (Arr. 4:24 p. m.), Hornellsville (Arr. 6:10 p. m.), Wayland (Arr. 7:23 p. m.), Buffalo (Arr. 7:23 p. m.), New York (Arr. 7:23 p. m.), and at Hornellsville with Erie R. R., for all points East and West.

11:05 A. M.—From Brockwayville, Shawmut 4:50 P. M., Elbow, Kenner and Hornellsville. 1:45 P. M.—From Wayland, Hornellsville, Canaan, Angelica, Friendship, Berne, Brockwayville, Ocean, Friend, Shawmut, Smithport and Clearfield.

All trains daily except Sundays. A. M. L. ANDERSON, G. J. RENWICK, Gen'l. Supt. St. Marys, Penna.

Kodol Dyspepsia Cure

Digests what you eat.

CERTAINLY GRAND SAVING.

Unexpected Yet Eminently Satisfactory Result of a Trick on the Gas Meter.

Mr. Macpherson's gas bills were sore quarterly trials. "Man, they're simply exorbitant," he remarked one day to his friend MacLaggart.

But MacLaggart was a man of resource, and suggested a remedy. "Ye see, it's this way," he said. "In the gas meter there are a lot of wee wheels which revolve as the gas passes through, and so cause the amount consumed to be registered. Noo, every night when ye gang to bed and turn out the light, ye maun just blow down the pipe, and the wee wheels will revolve in the opposite direction and subtract from the amount of gas ye've been using. Man, ye'll find it a grand saving."

Mr. Macpherson practiced the remedy for exorbitant gas bills religiously during a month. Then came the gas inspector on his usual rounds. He examined the register, looked at the entry for the previous quarter, and then referred to his book. Again he looked from one to the other, and his air became one of the greatest perplexity. "Whaur's the matter?" said Mr. Macpherson, who was standing by.

"Weel, Mr. Macpherson," said the gas inspector, "I dinna ken what's been happening to your gas meter, but I find the company owes ye exactly £1 15s 11d."

Gratitude Well Expressed. Sault St. Marie, Mich., Aug 14th.—Mr. C. L. Smith, painter and decorator, who lost his home in 1895 Anne street, this city, makes the following statement:—

"I was laid up with some kind of pains. Some said it was Lumbago, others Sciatica, and others again Rheumatism. A few of my friends suggested that it was lead poison, but whatever it was it gave me a great deal of pain, in fact, almost completely crippled me. I had to use two canes to walk about, and even then it was a very painful task.

"A friend advised me to try Dodd's Kidney Pills, and I began the treatment. After I had used the first box I was able to throw away one of the canes and was considerably improved. The second box straightened me up so that I could go about free from pain without any assistance, and very soon after I was completely cured, well and happy, without a pain or an ache. Dodd's Kidney Pills seemed to go right to the spot in my case, and they will always have my greatest praise."

When a man sits at a girl's feet under a tree and plays a banjo to her, she thinks that is the way they would go on doing after they were married and had seven children.

If you use Ball Blue, get Red Cross Ball Blue, the best Ball Blue. Large 2 oz. package only 5 cents.

UNDERSTOOD THE FEELING

But the Business Instinct Rose Supreme Over His Sense of Sentiment.

"Yes," said the artistic-looking man, "I spent three months in Rome, and I never tired of looking at the ruins of the Coliseum. I could have gone there every day."

"Ruins, eh?" queried one of the other passengers in the train.

"Ruins, sir, with a history. When that Coliseum was erected Rome was in her glory. She was the greatest power on earth. She dominated all Europe. When Rome spoke kings trembled. When Rome sent forth her armies, nations crumbled. All these things came to me as I stood there, and looked, and I felt, sir—I felt—"

"Yes, I can imagine how you felt."

"I stood there, and my mind went back hundreds of years, and I felt—"

"I've felt the same thing," broke in the other, "and you needn't try to describe it. Only last summer I went back to the home of my nee, and I stood there beside the old broken well where I used to drink from the bucket. Yes, I understand just how you felt; but when you got over it did you happen to ask if there was any market there for cotton hats? We've got a lot on hand, and if there's any chance of selling them over in Rome I'll ship 'em there."

The artistic man gave him a look of mingled sorrow and disgust, pulled a newspaper from his pocket, and began reading the latest war news.

International.

"The agreement among Italy, Germany and Austria is called a drebund, isn't it?"

"Yes."

"Well, what's the pact between France and Russia called?"

"A moribund, I suppose!"—N. O. Times-Democrat.

It's an easy matter to gauge a man's wisdom. Just bring him into a discussion, and if he agrees with you, of course he's very wise.

HEART RIGHT

When He Quit Coffee.

Life Insurance Companies will not insure a man suffering from heart trouble. The reason is obvious.

This is a serious matter to the husband or father who is solicitous for the future of his dear ones. Often the heart trouble is caused by an unexpected thing, and can be corrected, if taken in time and properly treated.

A man in Colorado writes: "I was a great coffee drinker for many years, and was not aware of the injurious effects of the habit till I became a practical invalid, suffering from heart trouble, indigestion and nervousness to an extent that made me wretchedly miserable myself and a nuisance to those who witnessed my sufferings."

"I continued to drink coffee, however, not suspecting that it was the cause of my ill-health, till, on applying for life insurance, I was rejected on account of the trouble with my heart. Then I became alarmed. I found that leaving off coffee helped me quickly, so I quit it altogether, and having been attracted by the advertisements of Postum Food Coffee, I began its use."

"The change in my condition was remarkable, and it was not long till I was completely cured. All my ailments vanished. My digestion was completely restored, my nervousness disappeared, and most important of all, my heart stented down and became normal, and on a second examination I was accepted by the life insurance Co. Quitting coffee and using Postum worked the cure." Name given by Postum Co., Battle Creek, Mich.

There's a reason, and it is explained in the little book, "The Road to Wellville," in each pkg.

SCIENCE AND INVENTION.

SOUNDING WITHOUT LEAD.

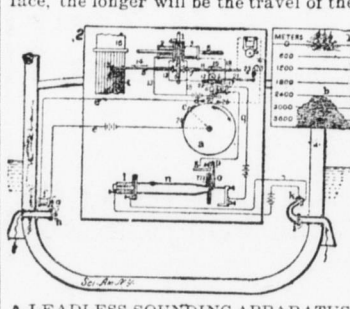
Finding the Depth of the Sea Without Being in Touch with Its Bottom.

An ingenious apparatus for determining the depth of the sea without being in actual touch with its bottom, has recently been invented by a Norwegian engineer, Mr. H. Berggraf. The particulars in the following account, as well as the illustration, are taken from Elektroteknisk Tidsskrift, Copenhagen.

As generally understood, it is a comparatively simple matter to measure the depth of the sea. All that is necessary is to fasten a weight to a line, drop it overboard, allow it to sink to the bottom, and measure the length of the line run out. And in fact all the measuring apparatus hitherto devised is based on this method of procedure, though in some cases the actual arrangement is more complicated to overcome the many difficulties encountered in practice.

The most useful arrangement would evidently be such that the depth of water under the vessel at any moment would be registered on a dial. An apparatus of this kind, besides being extremely convenient, would possess the highest scientific value for topographic measurement. Moreover, it would be invaluable as an aid to navigation, for while a single reading of the depth may apply to numberless points on the chart, a series of continuous readings can apply to but one given line.

The apparatus invented by Mr. Berggraf is designed for continuous recording of this kind. The underlying principle is one of acoustics, the propagation of a sound wave from the vessel to the bottom of the sea and back, and the measurement of the time required for this. Substantially the action is as follows: A sound wave is emitted by the closing of an electric circuit which at the same time starts the index moving across the dial. The index continues its movement until the sound wave is reflected and returns to the apparatus. When this occurs a second circuit is closed, which thereby stops the movement of the index. It is evident that the greater the distance to the reflecting surface, the longer will be the travel of the



A LEADLESS SOUNDING APPARATUS.

index and that its movement is directly proportional to the distance between the vessel and this sound-reflecting wall—in this case the bottom of the ocean. The apparatus may be so constructed that an alarm is sounded when the water shallows to a certain depth, and by this alarm the danger of grounding would be considerably decreased.

Instead of using a graduated dial, it is more convenient to have the record automatically marked upon a moving strip of paper. This is the arrangement in the "bathometer" as constructed by Mr. Berggraf. The illustration shows the details of the apparatus.

The disk, a, rotates relatively slowly in the direction of the arrow. The projection, c, at a given time comes into contact with d, completing the circuit, and causing the hammer, g, of the electro-magnet to strike the diaphragm, h. This projects sound waves against the bottom of the sea, whence they are thrown back to the vessel and transmitted through the diaphragm, i, to the microphone, k. In the circuit of the microphone is inserted an apparatus, l, designed on the same principle as a telephone. Because of the resonance tube, n, the mechanism responds only to the vibration to which it is attuned, and is insensitive to foreign sounds. As the sound emitted has a period corresponding to that of the resonance tube, the membrane, m, will vibrate strongly, closing the circuit, q, through the arm, o, and the screw, p. The electro-magnet, r, included in the circuit, q, then attracts the armature, s. To ascertain the depth of the sea, it is now necessary to measure the time that has elapsed between the transmitting and the receiving of the sound.

The shaft, t, turns continuously while a gear wheel, 4, is free to move on the axle, 5. The wheel, 4, alternately acts as armature to the two electromagnets, 2 and 3. The direction of rotation of 4, and also of the spur wheel, 6, depends upon whether one or the other of the electro-magnets attracts 4 in its capacity as armature. Correspondingly the rod, 8, receives an advance or retrograde movement by means of the screw, 7.

At the same time that c comes into contact with d and starts the sound waves on their travels, one end, 9, of the double lever is actuated. The latter is free to move about 10. The contact roller, 11, will be shifted on to the contact plate, 12, thus closing the circuit, 13. The electromagnet, 2, then attracts the armature, 4, and the rod, 18, moves in the direction of the arrow, 14. On one end of the rod, 8, is mounted a recording pencil, 15, which inscribes a straight line on the paper strip, 16.

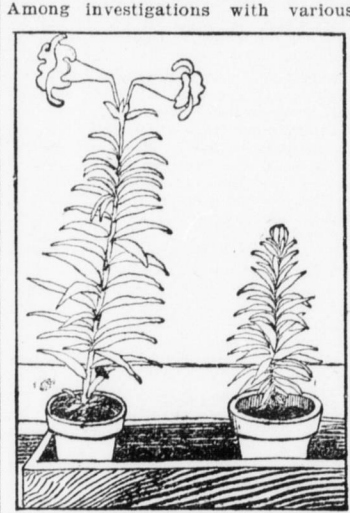
When the sound wave returns to the receiving apparatus, the electromagnet, r, will be energized and attract the armature, s. The contact roller, 11, will then be shifted on to the plate, 17, and the circuit, 18, closed.

MAKES PLANTS GROW.

Use of the Acetylene Light in Fostering Vegetation—Results of Experiments at Cornell.

The similarity between the quality of acetylene gaslight and sunlight, as evidenced by their effect on plant-growth, is strikingly shown by a series of experiments recently made at Cornell university. Says the Acetylene Journal, in a notice of these experiments:—

"The close approximation of the light value of acetylene to that of the sun was years ago demonstrated by spectrum analysis. It has remained for later experimenters to test the rays of the gas on plant growth, for determining the degree of resemblance between the illuminant and the sun. Among investigations with various



MARKED DIFFERENCE IN GROWTH. (One in Bloom Is from Acetylene Side of Curtain.)

lights upon plant growth, those which have been made under the intelligent charge of Profs. Bailey and Craig, with their assistants at Cornell university, have been more painstaking along practical lines than any other recalled in that particular direction.

"Take the radish crop under sun by day with acetylene at night, and under sun by day and dark at night, and the conclusions are remarkable. It is seen that 37 radishes on the light or acetylene side of the curtain aggregated 136 grams, as against 38 radishes on the dark side, reaching but 61 grams, less than half.

"The behavior of peas, under which blooms and good-sized pods were present by the aid of acetylene, at a time when without this not even buds were apparent, is equally marked.

"Perhaps most interesting of all is the photograph, in which plants are figured that had never seen daylight.

"Altogether, these Cornell acetylene experiments are the most complete in their line yet given to the American public. Investigations to follow will be watched with much interest. Whether the discovery will have commercial value to florists and plant-growers, remains to be seen. When it is considered that the demand and price of flowers and other forced growths is the greatest in the period of shortest days about the holidays, it seems likely that enterprising plant-forcers will avail themselves of these results to conduct tests having a commercial bearing."

ILLUMINATED RAT SCARER.

Device Invented by One Man to Drive Away Rodents from Buildings.

A man who must have been a utilitarian of the highest order and who must also have been a dweller in an apartment house where economy of space is necessary has designed a household article that would seem to have some practical value. This de-

vice is very simple, being nothing but a round tin cylinder with a hole at either end; a series of perforations with rough edges on one side and a series of raised blades on the other. Its mission in the world is to serve as a fly-catcher by day, a rat trap at night, a nutmeg grater at dinner time and a potato parer for breakfast. This seems much better and more economical a rat trap than the device of another inventor who has patented an illuminated figure of a cat with which to scare rats and mice away from the premises.

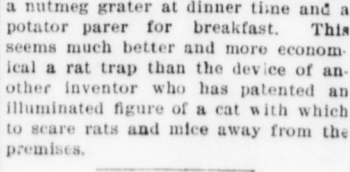


TO SCARE RATS.

By the old-fashioned definition a chemical atom "is the smallest portion of matter capable of existing independently." But the chemists are now subdividing their atoms into "electrons"—700 to 100,000 electrons per atom—but they are "atoms" just the same. But chemistry always was a perplexing science.

A Chemical Atom.

regulate the bowels. Purely Vegetable. SMALL PILL. SMALL DOSE. SMALL PRICE.



Small Pill. Small Dose. Small Price.

Small Pill. Small Dose. Small Price. Genuine Must Bear Fac-Simile Signature. REFUSE SUBSTITUTES.

FIFTEEN YEARS OF TORTURE

Itching and Painful Sores Covered Head and Body—Cured in a Week by Cuticura.

"For fifteen years my scalp and forehead was one mass of sores, and my body was covered with sores. Words cannot express how I suffered from the itching and pain. I tried many doctors and treatments, but could get no help, and had given up hope when a friend told me to get Cuticura. After bathing with Cuticura Soap and applying Cuticura Ointment for three days, my head was as clear as ever, and to my surprise and joy, one cake of soap and one box of ointment made a complete cure in one week. (Signed) H. B. Franklin, 717 Washington St., Allegheny, Pa."

The chap who needs watching is always watching somebody else.—Richmond (Mo.) Missourian.

To Destroy Slugs on Roses.

After much experimenting with insect powders, sprays, etc., I have learned from a florist a very simple and effective means of keeping rose bushes free from slugs. Use plenty of strong Ivory Soap suds around the roots and on the foliage. This will prevent insects and cause the plants to be perfectly healthy.

ELEANOR R. PARKER.

Few men have faith enough to leave their umbrellas in the vestibule of a church.

Yellow clothes are unsightly. Keep them white with Red Cross Ball Blue. All grocers sell large 2 oz. package, 5 cents.

Beware of the man whose charitable gifts consist of sympathy only.

AMERICA'S BRIGHTEST WOMAN

Mary E. Lease Feels It Her Duty to Recommend Doan's Kidney Pills.

Mary E. Lease, formerly political leader and orator of Kansas, now author and lecturer—the only woman ever voted on for United States Senator, writes:



Dear Sirs: My many friends have used Doan's Kidney Pills and have been cured of bladder and kidney troubles. I feel it my duty to recommend the medicine to those who suffer from such diseases. From personal experience I thoroughly endorse your remedy, and am glad of the opportunity for saying so. Yours truly, (Signed) MARY ELIZABETH LEASE. Foster-Milburn Co., Buffalo, N. Y. Sold by all dealers. Price, 50 cents per box.

LEARN TELEGRAPHY AND RAILROAD ACCOUNTING

\$50 to \$100 per month salary assured our graduates under bond. You don't pay us until you have a position. Largest system of telegraph schools in America. Endorsed by all railway officials. Operate always in demand. Ladies also admitted. Write for catalogue.

MORSE SCHOOL OF TELEGRAPHY

Chicago, O., Buffalo, N. Y., Atlanta, Ga., La Crosse, Wis., Texarkana, Tex., San Francisco, Cal.

Advertisement for Castoria 900 Drops. Includes text: 'CASTORIA For Infants and Children. The Kind You Have Always Bought Bears the Signature of Dr. J. C. Hatcher. In Use For Over Thirty Years CASTORIA' and a list of ailments it treats.

Advertisement for Lion Coffee. Includes text: 'Conviction Follows Trial. When buying loose coffee or anything your grocer happens to have in his bin, how do you know what you are getting? Some queer stories about coffee that is sold in bulk, could be told, if the people who handle it (grocers), cared to speak out. Could any amount of mere talk have persuaded millions of housekeepers to use Lion Coffee, the leader of all package coffees for over a quarter of a century, if they had not found it superior to all other brands in Purity, Strength, Flavor and Uniformity?' and an image of a Lion Coffee tin.

Advertisement for Carter's Little Liver Pills. Includes text: '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, Drowsiness, Bad Taste in the Mouth, Coated Tongue, Pain in the Side, TORPID LIVER, They regulate the Bowels. Purely Vegetable. SMALL PILL. SMALL DOSE. SMALL PRICE.' and an image of the product box.

Advertisement for Riso's Cure for Consumption. Includes text: 'Homeseekers' Lands. In the Prosperous and Growing South offer the Finest Opportunities to General Farmers, Stockmen, Truck and Fruit Growers. The Southern Railway Territory Leads. Write for Publications. M. V. RICHARDS, Land and Industrial Agent, Washington, D. C. CHEAS & CHASE, 732 Chemical Building, St. Louis, Mo. M. A. HAYN, Agent, 225 Dearborn Street, Chicago, Ill.' and an image of a medicine bottle.