

Egyptian Had First Idea of Steam Power

Every now and then some inventor files an application in the patent office which is squarely anticipated by one or another of the inventions of one Hero or Heron, who lived, so it appears, in Alexandria a hundred or so years before the Christian era, says a writer in the Kansas City Star.

Some of his inventions are fairly familiar to students of physics, but as they are not in use in the exact form in which he developed them they are not generally known as such.

Among others he developed an apparatus for causing the doors of a temple to open after a fire had been kindled on an altar outside. The heat of the fire caused expansion of confined air which forced water into some vessels suspended by cords and arranged, when heavy enough, to pull back the leaves of the door. This must have been a great mystery in his time.

Another, and one of the most graceful ideas of this or any other inventor, was his reaction steam engine. The principle of this was identical with the little rotary lawn-sprinklers now in use which whirl rapidly around throwing water over a circular area.

Heron arranged a vessel of water, with two arms extending from its top, so that it could readily spin on an axis. Heat was applied beneath so as to boil the water. The steam rushed out from the extended arms, which were provided with outlets exactly as in the little lawn sprinklers, so that the reaction from the jets of steam kicked the arms around and spun the whole affair.

Whether or not he ever developed this apparatus in sufficient dimensions to get power from it we are not sure. It is more than likely that he may have utilized it for producing a very small amount of power. It remains the great-grandfather of all reaction steam engines, reaction turbines and other like devices of a now numerous family, all of which utilize this principle which Hero seems to have been the first to figure out.

Married Woman's Career

Can the married woman keep up outside work and run her home properly at the same time? A 9 to 5 o'clock job, combined with home-making and housekeeping, is certainly too much to ask of any woman. If there are children to be looked after, all sorts of complications arise: there must be a good, faithful and intelligent servant, and every housekeeper knows that the species is nearly extinct. Or, the children must be sent to a day nursery or to school at an early age. Such institutions are poor substitutes for a happy home life. The regular job, then, is out so far as wives and mothers of the middle and lower classes are concerned. We must look elsewhere for the married woman's career, and we find it in a diversity of interests that do not demand the whole of an individual's time, in social work, in writing, in teaching, in little theater movements, or in music.—The Musical Observer.

Night Baseball Coming

"Five years ago in the world's series between the New York Giants and Yankees it cost the owners of the two clubs \$100,000 to call a game because of darkness," says Billy Evans, big league umpire in a magazine article. Enraged fans protested the umpire's ruling at the end of the tenth inning with the score a tie and Commissioner Landis ordered the whole receipts of the day turned over to charity. "Just think how soft it would have been if the umpire had needed only to call the groundkeeper and say 'Let there be light.' I have no doubt that in a short time lights for outdoor sports will have extended the playtime of the nation until long after sundown. Baseball at night will offer a new venture that should prove highly successful."

Microbe Organs Revealed

A microscope so powerful that it is able to show the interior organs of a microbe was displayed at a recent meeting of the Royal Society in London. The instrument has a magnifying power of 3,500.

Antedate Writings

Ancient man discovered the four methods of preserving food, namely by drying, heating, freezing and use of antiseptics, such as salt and smoke, long before the day of written documents.

Enjoyment Followed Fast

Bank holidays are usually held Mondays because the festivals are of church origin, the day before the festival Sunday being a fast and the day after one of relaxation.—London Mail.

Cobra Deadliest Snake

The cobra is the deadliest of all snakes. If it has bitten four or five persons in a short period the sixth bite is not necessarily fatal. Otherwise the victim dies in a few minutes.

So It Seems

Homely girls have it all over their beautiful sisters, if the newspapers tell the truth. The former never have any trouble of any sort, kind or description.

Doctor Dresses Own Injuries, Saves Baby

New York.—Diphtheria of the larynx threatened to choke the life out of Jane, the baby daughter of Policeman Hugo G. Geissele, Maplewood, N. J.

An immediate operation, known as "intubation," was all that could save her; Dr. D. J. Pola, ten miles away, started to Jane's bedside in an ambulance, with Miss Marion Kaitzel, a nurse, and Gustave Schmidt, driver. Another vehicle cut across Schmidt's course. The ambulance swerved and crashed into a steel trolley pole, a complete wreck. Its occupants were severely cut and battered.

The young physician, nevertheless, applied emergency dressing to his companions' injuries and his own, then commandeered an automobile, which rushed him and the nurse to the Geissele home. He and Doctor Demarest successfully operated on the baby.

INVENTS DEVICE TO LAND PLANES ON SKYSCRAPERS

Greater Safety in Flying Is Expected as the Result of Jenkins' Invention.

Washington.—A propeller-reversing device which, it is announced, will permit an airplane to be brought to a stop within twice its own length after it touches the ground, has been evolved by C. Francis Jenkins of Washington.

Announcing his new invention, for which a patent has been issued, Mr. Jenkins said that it would now be possible to establish air fields directly in cities and on the roofs of large buildings and eliminate the "slow and costly hauling of mail, express, and passengers from suburban fields to their real destination."

"The reversing lever is so geared," he explained, "that it cannot be moved while the plane is in the air, thereby eliminating the danger that the pilot might accidentally pull the lever. When the airplane strikes the ground, a spring automatically releases the safety guard on the reversing control and the aviator is free to bring his plane to rest on ground, deck, or sea, almost as instantaneously as a bird ceases flight."

Other benefits of the new device were outlined thus:

"The general use of airplanes for suburb to city passenger service is brought nearer.

"It is now possible to bring a seaplane to rest in the lee of a battleship, saving both plane and pilot under storm conditions.

"Planes can approach landing fields at a greater rate of speed than before has been possible.

"Tragedies like the wrecking of the giant Sikorsky plane, which failed to rise in its attempted flight to Paris, will be safeguarded against. With the new device, the aviator, when he realizes that his take-off is a failure, can stop the plane."

Path of Disaster Left by Runaway Glacier

Bellingham, Wash.—A grinding iceberg, 300 feet wide and 2,000 feet long, ended a seven-mile trip in which it destroyed everything in its path, when it was broken up in the Nooksack river, 35 miles from here.

The great mass of ice was broken from Deming glacier on Mount Baker a few days ago.

Trees, railroads and bridges were either swept aside or ground to bits. The ground over which the glacier passed is bare of even remnants of anything which stood there before, according to A. S. Athern, state forest ranger.

The beds of Glacier creek and the middle fork of Nooksack river were torn wide for a depth of more than 30 feet and a width of 100 feet.

Damage to tracks and bridges of the Tacoma and St. Paul Logging company was estimated at \$50,000.

Pieces of the great iceberg as large as houses still were melting along the pathway where they were broken off.

Caters to Motorists; Pastor Fills Church

London.—"Sunday motorists who wish to call in at my church can park their cars in the drive and use my garden," announced Rev. W. H. Ridgway, vicar of Tarvin, recently.

As a result of the invitation, which includes the right for motorists who accept to have their lunch in the vicar's garden after attending services at the church, every Sunday there is a long row of motor cars in the rectory drive; and the vicar preaches to a crowded church.

Vicar Ridgway's idea also encourages motorists from the city to visit the ancient churches in the neighborhood through which they pass and, with this object in view, the vicar is planning to form a sort of motoring guild of which regular members will be a nucleus of sporting churchgoers.

Jazz Pays

New York.—The king of jazz commands money befitting royalty. Paul Whiteman and his orchestra have signed a contract to play in a chain of theaters for forty weeks at \$12,000 a week. Paul will get half.

OUTLAW STORIES ARE PLAIN BUNK

Former Marshal Tells of Past of Hunnewell, Old Cow Town.

South Haven, Kan.—Persons in southern Kansas have the notion Hunnewell, a little town four miles south of here, just a half-mile from the Oklahoma line, was a bad place in the early days. But "Miny" Edwards says that's mostly bunk.

"Miny," whose initials are T. M. and whose nickname is pronounced with a long "i" was there when Hunnewell arrived on a Santa Fe freight train one sunny June day back in 1880, and he has been there ever since. Moreover, he was marshal of the town in the days when it was reputed to be a trifle rough. So when "Miny" Edwards says the lurid stories folks tell about Hunnewell are mostly bunk, one must lend a believing ear.

Romance Blasted High.

The debunking of Hunnewell's history occurred the other afternoon on the shady side of the street here. "Miny" sat on a bench on the curb, gazing out at the prairies that he has seen change from the open cattle range of 50 years ago to yellow wheat fields. A newspaper man, "Miny's" audience, sat on the fender of a truck and listened sadly while the romance of the cow country was blasted high.

"You can hear some of these younger fellows tell about the way the cowpunchers used to kill each other off down at Hunnewell," the early day marshal expostulated. "But here's nothing to it."

"Oh, sure, the boys used to shoot up the town every little while, but they didn't mean anything by it." You know, I sort of kept track of the folks shot to death in Hunnewell, and as near as I can count, there were only 13. Others got injured, but only 13 were actually killed."

After this declaration about the peace and quiet in Hunnewell back in the unromantic '80's, the old marshal and cattle man lapsed into silence. His audience ventured to tell a story he had heard about a shooting scrape in the big old hotel that still stands by the Santa Fe tracks in Hunnewell, a weatherbeaten old ghost of the boom days. But "Miny" said briefly and to the point: "Obviously if there were only 13 persons slain in early-day Hunnewell, you couldn't have a dozen or so getting killed in one evening's jollification."

Presently the early-day marshal became more loquacious. He told about a great open cattle range that stretched mile after dreary mile down through the Indian country, the land that is now Oklahoma, on through the ranges of Texas to Old Mexico and the gulf. Edwards used to ride those ranges and he knows the rigors of the old cattle trail from Texas to the rail points in Kansas.

Saloons Were Plentiful.

In the spring of 1880 the Santa Fe railroad pushed its line down as far as Hunnewell. Freight trains puffed in, bringing the town. Overnight a city of tents sprang up and every other tent was a saloon or a gambling joint. Within a few days the freight cars began to unload timber, and frame buildings arose. Within two weeks a town of 500 population with several rather substantial frame buildings had risen where before there was nothing but the bare sweep of the buffalo grass.

Up the long, dusty trail from the Indian country and Texas came the howling herds of longhorns to be loaded onto the cars at Hunnewell. And with them came the singing, shootin', happy-go-lucky punchers.

Edwards ran the stock yards at Hunnewell a time, back in the days when there were 13 lodging chutes, when the old hotel was full of punchers day and night.

Then in 1883 he became the marshal. But he didn't have a particularly bad time, he says. "Miny" would have the world know that the law was enforced then just as well as—perhaps better than now.

"What did you do when a bunch of punchers started shooting up the town?"

"Arrested them, of course." "Miny" Edwards is a small man, but he has a way about him even now, nearly a half century after those stirring days.

"The thing that made Hunnewell boom," said Edwards, "was the shipping of cattle. And when the wheat came and the cattle went, Hunnewell's best days were over." "Miny" insisted upon discussing prosaic things.

"Were there many outlaws at that time down in the country that is now Oklahoma?" The newspaper man was thinking of the many hair-raising yarns that he had understood centered about Hunnewell.

"Probably no more than there are now."

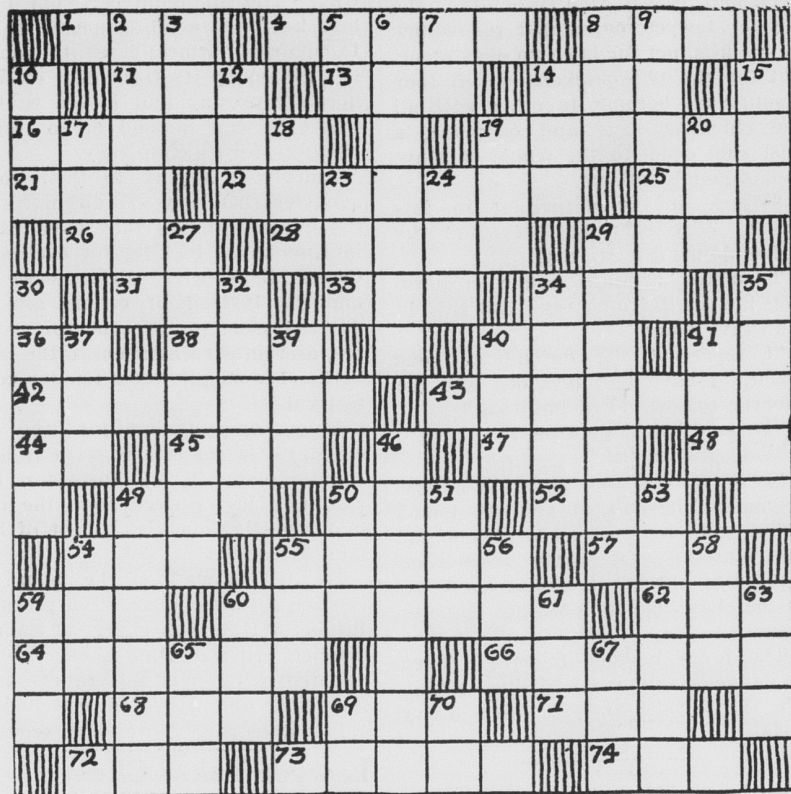
J. S. Sailor Weds Belfast Girl After Mail Courtship

Belfast.—An interesting romance reached a climax recently when William McKnight of the United States destroyer Borie married Sophie Phillips, an attractive Belfast girl. The pair corresponded since they first met two years ago, when the U. S. S. Pittsburgh was at Belfast and one of McKnight's companions married a Belfast girl.

HOW TO SOLVE A CROSS-WORD PUZZLE

When the correct letters are placed in the white spaces this puzzle will spell words both vertically and horizontally. The first letter in each word is indicated by a number, which refers to the definition listed below the puzzle. Thus No. 1 under the column headed "horizontal" defines a word which will fill the white spaces up to the first black square to the right, and a number under "vertical" defines a word which will fill the white squares to the next black one below. No letters go in the black spaces. All words used are dictionary words, except proper names. Abbreviations, slang, initials, technical terms and obsolete forms are indicated in the definitions.

CROSS-WORD PUZZLE No. 1.



(©, 1926, Western Newspaper Union.)

Horizontal.

- 1—Frozen water
- 2—Fancy eating rooster
- 3—Liquid measures (abbr.)
- 4—Part of the human body
- 5—A color
- 6—Organ of hearing
- 7—Not wide
- 8—Something to be done
- 9—A number
- 10—One of minute elevations of the skin
- 11—Female of fallow deer
- 12—A small mischievous spirit
- 13—Pertaining to a duke
- 14—100 years (abbr.)
- 15—Juice of trees
- 16—To work steadily
- 17—A means of travel
- 18—Exclamation of surprise
- 19—Perceived
- 20—A little way off
- 21—Note of musical scale
- 22—A flowering house plant
- 23—Neither on one side nor the other
- 24—A linear measure (abbr.)
- 25—A possessive pronoun
- 26—A spring of mineral water
- 27—A Southern state (abbr.)
- 28—Fish spawn
- 29—Contraction of over
- 30—And so forth (abbr.)
- 31—Fair
- 32—Relative by marriage
- 33—Part of a circle
- 34—A small plot of ground
- 35—Merchandise shipped
- 36—An infinite space of time
- 37—The whole thing
- 38—A yellow and black song bird
- 39—One out of many
- 40—Established value
- 41—Central state (abbr.)
- 42—A girl's name
- 43—A spring medicine
- 44—A meadow

Vertical.

- 1—Songs sung at Christmas
- 2—To make a mistake
- 3—Preposition
- 4—A cluster of flowers on one stem
- 5—A preposition
- 6—Equality of values
- 7—A merchant
- 8—A high explosive (abbr.)
- 9—An implement for cleaning floors
- 10—An epoch
- 11—A lyric poem
- 12—Veneration
- 13—Small bunches
- 14—Right-angled addition to house
- 15—Prefix meaning not
- 16—A young dog
- 17—Song
- 18—Prevailing style
- 19—A poem set to music
- 20—A child's favorite candy
- 21—A sticky substance
- 22—A closed car
- 23—A kind of food
- 24—A small house
- 25—The Badger state (abbr.)
- 26—An affirmative
- 27—A laborious drudge
- 28—A large water fowl
- 29—A plant of India used for seat work
- 30—A unit
- 31—A tattered cloth
- 32—Person of European descent born in a colony
- 33—Succeeded
- 34—Anger
- 35—Which person
- 36—Western state (abbr.)
- 37—Allow
- 38—To cook in grease
- 39—A prefix meaning three
- 40—Born
- 41—A tavern
- 42—Sick
- 43—Place where mail is received
- 44—New England state (abbr.)

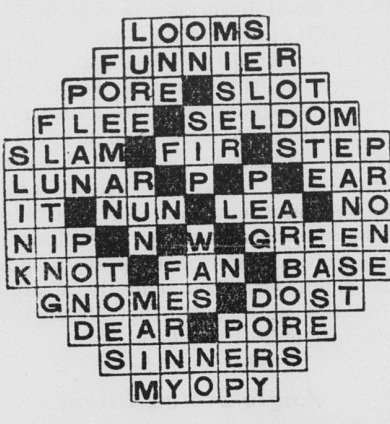
Solution will appear in next issue

Ancient Road Signs.

Road signs date back to the early history of the world. Many monuments has been unearthed by archeological expeditions in Crete, Asia Minor and the Greek Peloponnese which show that signs were in use even in the time of the legendary heroes of the Hellenic world. In the Roman forum is still preserved the "golden milestone," a pillar on which were carved the names of roads together with distances from Rome. Markers are being placed on many of our roads.

The Watchman publishes news when it is news. Read it.

Solution to Last Week's Puzzle.



Are You "Toxic?"

It Is Well, Then, to Learn the Importance of Good Elimination.

FUNCTIONAL inactivity of the kidneys permits a retention of waste poisons in the blood. Symptoms of this toxic condition are a dull, languid feeling, drowsy headaches and, sometimes, toxic back-ache and dizziness. That the kidneys are not functioning as they should is often shown by scanty or burning passage of secretions. Many readers have learned the value of Doan's Pills, stimulant diuretic to the kidneys, in this condition. Users everywhere endorse Doan's. Ask your neighbor!

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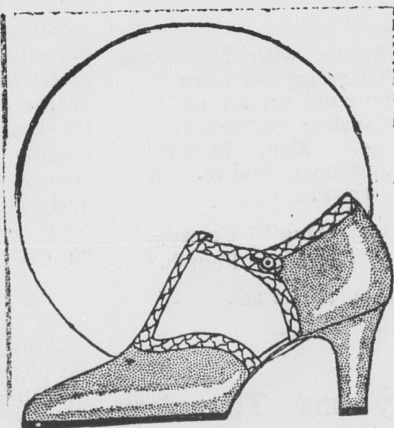
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