

Combustion Without Flame.

American Architect.
A new theory of combustion was practically illustrated by Mr. Thomas Fletcher, of Warrington, England, at a soiree of the Society of Chemical Industry, at Owens college, the result being so totally unexpected that many present would, and in fact did, go away with the impression that some deception was being practiced. Mr. Jacob Reese, the inventor of the Reese fusing disc, has stated his belief that if it were possible to produce combustion without flame the temperature and duty obtained from any fuel would be enormously increased. Mr. Fletcher not only has proved the possibility of flameless combustion in more than one form, but also has demonstrated practically the enormously high temperatures which can be obtained by this means.

Taking a ball of iron wire about three pounds in weight, Mr. Fletcher placed it on a slab of fire clay, and directing a blow-pipe flame on it for a few seconds, he suddenly blew the flame out. The temperature increased so rapidly that in a few seconds the wrought iron fused and ran into drops, and this temperature was steadily maintained. The room was darkened, but the closest examination did not show a trace of flame, although the fact that the gas was burning was repeatedly proved by relighting and extinguishing it. The same experiment was repeated in another form by directing the flameless heat into a small fire-clay chamber, in which a refractory clay crucible, made especially for nickel melting, was partially fused and worked into a ball like soft putty, the sides of the fire-clay chamber being the same fused. The heat was so great that the blow-pipe laboratory, which was given up to Mr. Fletcher for the evening, was much too hot to be agreeable, in spite of open windows and ventilators. How far this discovery can be utilized remains to be seen, but it would appear that the presence of flame, usually considered to be a sign of combustion, is really an indication of imperfect results, and the best duty is to be obtained only when flame is totally absent. It is certain that such temperatures as those obtained by Mr. Fletcher without flame have never previously been obtained with the fuel used, which was nothing more than a small gas supply for a quarter-inch pipe, assisted by an air-blast.

R. A. D. Wilbanks was nominated by the Fourth district Democratic convention at Duquoin for clerk of the appellate court.

Col. Herbert is trying to collect \$50 from the school board for a lunch which the building committee dispatched at Forest park.

The prize drill between St. Bernard commandery Knight Templars of Chicago, and Raper commandery of Indianapolis, was won by the former.

At Seagoville, Texas, Sam Rames shot and killed his brother Hanagan. The men were the sons of James S. Rames the well known Greenbacker.

At Seventh and St. Charles streets 6th inst. Chas. Stewart stabbed Jos. Hunter, colored, severing the femoral artery and causing speedy death.

The tariff commission heard the Cincinnati Grocers' Association on sugar, molasses and rice. Also papers on dry goods, hemp and ladies' shoes.

The Social Science association at Saratoga was addressed Wednesday by Prof. Harris, Emily Falbot, Park Goodwin, Frank B. Sanborn and Prof. Wayland.

The steamer Peninah was recently seized by the government for selling liquor on a reservation. Wednesday at Bismarck the watchman in charge was overpowered and the boat carried off.

The Chicago Democratic convention declared against sumptuary and prohibitory legislation.

The procession of the workmen at New York Wednesday showed twenty thousand men in line.

A New City.

Mr. William H. Cozzens returned yesterday from St. Francois county, where he has been engaged in surveying out a new town of 400 acres, near the St. Joe Lead Mines, to be called Bogytown. He surveyed the town into blocks of various sizes, and already a large quantity of lumber has been piled on the ground for the erection of buildings for the new city. It is located in the region called by the old French settlers "Bonne Terre," or good ground. It is in the bend of Big river, a branch of the Meramec, which empties into the latter stream near Eureka. It was in the region, mentioned by M. Le Page Du Pratz, who resided in the country sixteen years, from 1720, where the French found those mines that gave rise to Law's Mississippi scheme. On the east side, previous to 1742, the French had settlements at Kaskaskia, Fort Chartres, Tamaras, while on the west side of the Mississippi they opened mines on the "Marameg." On Du Pratz's map, the river "Marameg" is given, while the Wabash is given as the wildest stream entering the Mississippi, while the Ohio is a branch of the Wabash.

The St. Joe Lead Mines employ several hundred miners, at a depth of from 150 to 200 feet beneath the surface. The mules that go down there remain during their lives. These mines turn out one hundred "pigs" of lead per hour. The Desloge mines, near by, produce one-third less than the St. Joe mines. The country is getting denuded of its timber, as great quantities are consumed at the lead works for fuel. The St. Joe mines have now 32,000 cords of wood piled up for use. There is a narrow gauge railroad to the mines, and people who have not been there have no idea of the enterprise and activity going on at these mines.

Was the Grant administration, at its worse, a more complete political machine than this one of Arthur's? Most of the cabinet officers are in active charge of the campaign and bending every power of the government to subserve their personal or party needs. Two officials, Chandler and Brewster, are as actively at work in political manipulation, as if they were the formal managers of the party organization. This is the materialization of Stalwart Republicanism and an illustration of what the leaders of that wing of the party mean by banishing squeamish sentimentalism from office.

Spruce Township.

All quiet in old Spruce at present. Crops good and farmers all happy. A great deal of wheat will be sown in old Spruce this fall.

Flax is averaging from 12 to 12 1-2 bushels per acre, wheat 20 to 22 per acre.

We had quite a pleasant time at the picnic at Johnstown on the 24th of Sept. Among the heroes of Bates we noticed Bob Catron, Ben Canterbury, Bob. Etzler, Archie Sims and Tom Silvers, and they have the well-wishes of the Democracy of old Spruce township.

Success to the the TIMES is the wish of
DRIFT WOOD.

Dyspepsia's disarmed of its terrors, by the use of Bailey's Saline Aperient. Torpid liver, biliousness, constipation, etc., are cured by its use. All persons prefer it to nauseating pills, its action being so prompt and pleasant. 41-2t

Bates County Stock Sale Column.

Regular stock sales at Butler, third Monday in every month, at sale yard.

T. G. Houston, Supt.

Charges for selling: Horses and mules per head 50c; thoroughbred cattle per head 50c; cattle per head 25c; sheep and hogs 5c. Where there is no sale, half price. Yarding free.

NOTICE.

Parties wishing to purchase stock of any description, or having stock they desire to sell at above sales, can inform the agent by mail or personally, stock wanted or for sale, and it will be advertised in this column free of charge.

J. W. Riley, Agent.

Office at Riley & Dickey's livery stable, west Dakota street. Next sale Monday, July 17th, at 10 o'clock.

WANTED.

FOR SALE.

Beware of Imitations.

The delicate odor of Floreston Cologne is entirely novel. Look for signature of Hiscox & Co., N. Y., on each bottle. Sept. 1, 1m

That old story of the Higginsville post-office comes back from Washington-

A Good Foundation.

In American households the prevailing complaints are weakness of the stomach and its consequences, indigestion, nervousness and rheumatism. Such sufferers can lay a good foundation for health by using Parker's Ginger Tonic, as it tones up the stomach and nerves, and keeps the kidneys active to carry off the foul matter.—N. O. Picayune. Sept. 1, 1m

The state university expects a larger attendance this season than ever before.

An Impossibility.

Deserving articles are always appreciated. The exceptional cleanliness of Parker's Hair Balsam makes it popular. Gray hairs are impossible with its occasional use. Sept. 1, 1m

A regiment of North Grecian mountaineers has been sent to the Turkish border.

How It was Done.

"How do you manage," said a lady to her friend, "to appear so happy and good natured all the time?" "I always have Parker's Ginger Tonic handy," was the reply, "and thus easily keep myself and family in good health. When I am well I always feel good natured." Sept. 1, 1m

Spain is the only grain producing country which gives unfavorable crop reports

The Bad and worthless.

Are never imitated or counterfeited. This is especially true of a family medicine, and it is positive proof that the remedy imitated is of the highest value. As soon as it had been tested and proved by the whole world that Hop Bitters was the purest, best and most valuable family medicine on earth, many imitations sprung up and began to steal the notices in which the press and people of the country had expressed the merits of H. B., and in every way trying to induce suffering invalids to use their stuff instead, expecting to make money on the credit and good name of H. B. Many others started not unsput up in similar style to H. B., with variously devised names in which the word "Hop" or "Hops" were used in a way to induce people to believe they were the same as Hop Bitters. All such pretended remedies or cures, no matter what their style or name is, and especially those with the name "Hop" or "Hops" in their name or in any way connected with them or their name, are imitations or counterfeits. Beware of them. Touch none of them. Use nothing but genuine Hop Bitters, with a bunch or cluster of green Hops on the white label. Trust nothing else. Druggists and dealers are warned against dealing in imitations or counterfeits. Sept. 1, 1m

At Pittsburg Daniel Early, a saloon-keeper, killed John Glessner with a blow of his fist.

English Female Bitters sends red blood to sickly woman's cheeks and strength to her muscles, by giving an appetite, aiding digestion and building up the system. All sickly women who need a never-failing female regulator, will be delighted with its prompt action. 41-2t

Marshall Jewell was elected president of the National Telephone association at Boston.

The beautiful crimson blush, the bright sparkling eye, a clear intellect—are so often wanting among our most lovely females, and why? Because they are suffering from some peculiar, lingering female complaint. A sure, safe and effectual remedy, is English Female Bitters. 41-2t

Mayor King of Philadelphia has offered \$500 reward for the arrest of Maj. Phipps, the defaulting poor-house superintendent.

CHILLS AND FEVER.

Malarial Fever, Dumb Ague and all Miasmatic Diseases,

Are Quickly Cured With the 50 Cent "Marsh Ague Cure."

"Your Ague Cure is a good thing. One 50 cent bottle cured my two children of chills and fever. One of my neighbors used it in pill form, and was quickly cured. —I. W. Harris, Kansas City, Mo.

"The demand for your Ague Cure is growing better all the time."—Dr. J. W. Neal, druggist, Xenia, Kans.

"One 50 cent bottle of the Marsh Ague Cure has accomplished wonders in my family. It has cured my five children of chills and fever. It is the best and cheapest chill remedy known."—Mrs. Mary Williams, Sedalia, Mo.

The Marsh Ague Cure is for sale by F. M. Crumly & Co., druggists, Butler, and by prominent dealers everywhere. Price 50 cents—liquid or pills. Sept. 1-1m



CASH HOUSE

—OF—

A. S. MARTIN & CO.

A. S. Martin & Co

dealers in Staple and Fancy Dry

Goods, Notions, Millinery, Ladies

Furnishing Goods, Cloaks, Suits,

Carpets, Groceries and Queensware

all kinds of Country Produce

wanted.

We buy entirely for Spot Cash

and defy all competition on same

quality of goods. We are at the

old stand of M. S. COWLES & Co.

and cordially invite everybody to

visit us and save money by so doing.

R. R. DEACON.

DEALER IN

Hardware Iron, Steel; NAILS.

Backsmith's Supplies, Geo. W. Brown's Corn Planters, Haworth Check Rowers, Casaday Sulky Plows, Canton Clipper, Furst and Bradley and Morison Hand Plows, Buckeye Cultivators, Buckeye Grain Drills, Culman Taylor Threshers and Engines, Mineapolis Twine Binders, Combined Reapers and Mowers, Empire Combined Reaper and Mower, Racine Spring Wagons, Royal St. John Sewing Machines, Bain and La-Bell, Farm Wagons, Harrows, Road Scrapers, etc. The largest stock and best assortment in Bates Co. North-East Cor. Sqr. Butler Mo.

Dollar Store

"Rich Hill Bargain House."

Tinware, Novelties, Notions, Vases, Glassware, Toys.

Call and See my 5, 10 and 15 cent Counters.

Ladies Neckwear, and Hair Goods a Specialty.

Ornith Plumes, and Feathers Cleaned, Diced and Curled.

RESPECTFULLY,

T. A. CLIFFORD, Proprietor.

114 East Park Avenue

RICH HILL, MO.

W. F. Maddy,

DEALER IN

Dry Goods & Groceries

—ON—
Dakotah Street

Southeast Cor. Sqr.

BUTLER, MO

M. A. Mayard, AT THE POST OFFICE



BOOKS AND STATIONERY.

NUTS, CANDIES, TOYS ETC., IN LARGE VARIETIES.

Daily Papers and Periodicals always on hand.

I take pleasure in announcing to the public that I have located in Butler to make it my future home, and have the largest and best assorted stock of clocks, watches and jewelry and spectacles ever brought to this market, which I will sell cheap for cash. Having had many years experience in the manufacture of watches and clocks in Europe, I am now prepared to repair watches and clocks, no matter how complicated nor how badly they have been abused. By bringing them to me, you can have them put into good running order and guarantee satisfaction.

NEW JEWELER.



THE AMERICAN UNIVERSAL CYCLOPEDIA.

An entirely new and enlarged edition complete in 15 Volumes

SOME REASONS WHY

THIS WORK

Is Superior to all Other

CYCLOPEDIAS!

It contains more matter than any other Cyclopaedia. It is brought up to a later date than any other Cyclopaedia. It embraces over 40,000 Titles, being a vast amount added on American subjects. Its type is large and clear; its Paper, French-made and binding first-class. IT IS CHEAPER THAN ANY OTHER CYCLOPEDIA PUBLISHED. Its price in Cloth being \$125 per set. Its price in Sheep being \$115 per set. Its price in Half Russia being \$110 per set. Specimens pages sent to any address on application. Agents wanted in all parts of the country. Liberal Terms to right parties. Send for circular.

S. W. GREEN'S SON, Publisher,

74 and 76 Beekman St., N. Y.

BROWN'S PEPSIN TONIC

CURES DYSPEPSIA, INDIGESTION, HEADACHE & BILIOUSNESS.
PREPARED ONLY BY BROWN MEDICINE & MFG CO., LAWRENCE, MO.
Try it Now! NEVER FAILS!