

LIGHT THAT PRODUCES SOUND

May at First Seem Incredible, But Experiments Have Proved It to Be a Fact.

Incredible as it may seem, a beam of light can be made to produce sound. A ray of sunlight is thrown through a lens onto a glass vessel containing lampblack, colored silk or worsted, or any like substance. A disk having slits or openings in it is made to revolve swiftly in this beam of light, so as to "cut it up," thus causing alternate flashes of light and shadow. When one places his ear to the glass vessel he hears strange sounds so long as the flashing beam falls upon the vessel.

A still more extraordinary effect is produced when the beam of sunlight is made to pass through a prism so as to produce what is called the solar spectrum. The disk is turned and the colored light of the rainbow is made to break through it. Now if the ear be placed to the vessel containing the silk or other material, as the colored lights of the spectrum fall upon it, sounds will be given out by the different parts of the spectrum, and there will be silence in other parts.

For instance, if the vessel contains red worsted and the green light flashes upon it loud sounds will be given forth. Only feeble sounds will be heard when the red and the blue parts of the rainbow fall upon the vessel. Other colors will produce no sounds at all. Green silk gives out sound best in a red light. Every kind of material gives more or less sound in different colors and no sound at all in others.

HAD ITS BIRTH IN RIDICULE

Explanation of Frequently Heard Expression "Giving Him a Roland for an Oliver."

The expression "A Roland for an Oliver," meaning to match one incredible story with another still more incredible, is derived from the fanciful tales told by the old chroniclers concerning the marvelous deeds accomplished by Roland and Oliver, the two most famous palladins of Charlemagne. It is said that these two wonderful heroes were so marvelously matched that neither was able to surpass the other, and, accordingly to test their relative superiority they met in single combat for five consecutive days on an island in the River Rhine without either gaining the least advantage over the other. At the end of the battle of Roncesvalles, it is said Roland was actually wounded by Oliver, who had himself received a death blow. From the ridiculous manner in which the adventures of these two heroes were recounted, the saying, "A Roland for an Oliver," grew the matching of one lie with one still greater.

Glass Tumblers.

Years ago Max Miller was giving a luncheon at All Souls college, Oxford, to Princess Alice and her husband. The curiosity of all strangers present was aroused by a set of little round bowls of silver about the size of an orange. They were filled to the brim with the famous ale brewed at the college. When one of these little bowls was empty it was placed upon the table, mouth downward. Instantly, so perfect was its balance, it flew back to its proper position, as if asking to be filled again. No matter how it was treated—trundled along the floor, balanced carefully on its side, dropped suddenly upon the soft, thick carpet—up it rolled again and settled itself with a few gentle shakings and swayings into its place, like one of the Indian rubber, tumble dolls that babies delight in.

This was the origin of the word tumbler. At first the vessel was made of silver. Then, when glass became common, the round glasses that stood on a flat base superseded the exquisitely balanced silver spheres, and stole their names so successfully that you have to go to All Souls to see the real thing.—Dearborn Independent.

A Gentleman.

It appears that the most general idea which people have formed of a gentleman is that of a person of fortune above the vulgar, and embellished by manners that are fashionable in high life. In this case, fortune and fashion are the two constituent ingredients in the composition of modern gentlemen; for whatever the fashion may be, whether moral or immoral, for or against reason, right or wrong, it is equally the duty of a gentleman to conform. And yet I apprehend that true gentility is altogether independent of fortune or fashion, of time, customs, or opinions of any kind. The very same qualities that constituted a gentleman in the first age of the world, are permanently inviolable and indispensably necessary to the constitution of the same character to the end of time.—Henry Brooke.

Grab for Goldfish.

In Japan, where fancy varieties of goldfish are highly esteemed, the "lion headed" sometimes fetching \$100 a pair, silkworm cocoons (after the silk is wound off them) are used to feed the young in breeding ponds. For this purpose they are dried, pounded to a fine powder and mixed with wheat-starch. Chopped earthworms and mosquito larvae supplement this item of nursery diet.

A curious practice of the Japanese is that of ornamenting goldfishes with coats-of-arms, floral devices, etc., the designs being etched with dilute hydrochloric acid.

LAW AS TO COLOR BLINDNESS

Does Not Mean Loss of Sight, According to Ruling Made by Georgia Superior Court.

Color blindness does not mean total loss of sight in the meaning of the law, it was held recently by Judge John T. Pendleton in the motion division of Superior court at Atlanta, Ga.

Judge Pendleton's decision cleared a legal point raised only once before in the United States, so far as is shown by court records. This was in Nebraska, where both the lower court and the State Supreme court held that color blindness means total blindness.

The question was raised in a suit brought by George L. Fallin, who was a locomotive engineer for the Atlanta Joint Terminals, against the Locomotive Engineer Mutual Insurance and Accident association, a branch of the Brotherhood of Locomotive Engineers.

Engineer Fallin, it was set out, became color blind while engaged in his line of duty and was discharged from his position. He then applied to the engineers' association for his insurance—\$1,500—for the loss of his eyesight, as stipulated in the policy. The association, however, declined to pay the amount on the ground that color blindness did not come within the terms of the policy concerning blindness. Fallin then brought suit in the courts through his counsel, City Attorney James L. Mayson.

A rare copy of a newspaper has come into the possession of the Columbia university library. Dr. Carpenter, acting librarian, announced, in the purchase of a copy of the Pennsylvania Packet and Daily Advertiser for April 14, 1788, from W. F. Smith of Philadelphia. The paper, which was published by John Dunlap and David C. Claypool in Philadelphia, is four pages in size, contains about two columns of news and the balance is filled by commercial advertising. Of particular interest is a brief account of the Columbia college commencement of 1788. The first name on the list of candidates awarded the master of arts degree is Alexander Hamilton, and De Witt Clinton holds the same position among the receivers of bachelor of arts diplomas.

LORD ACHESON



Lord Acheson, who is now in this country, has an American wife, a daughter of J. Ridgely Carter, long secretary of the American embassy in London and afterward United States envoy at Bucharest. He is the oldest son and heir of Lord Gosford, now nearly eighty years old, fourth earl of his line and vice admiral of Ulster. Lord Acheson was decorated with the Croix de Guerre in the late war and is also a veteran of the Boer war. He is a stockbroker.

Fish Knows Dinner Call.

Visitors to Bath are interested in a huge golden carp that has been trained by Mr. W. Page to answer a dinner call. As soon as Mr. Page disturbs the surface of the water in the Roman bath with his stick the fish darts to him and remains motionless near the surface ready to snap at ants' eggs, dead flies and other dainties.

The fish also takes food fearlessly from the trainer's fingers.—London Mail.

DEAD ARE MOUNTING GUARD

Soldiers Who Were Killed at Douaumont Still Thrust Their Bayonets Above Ground.

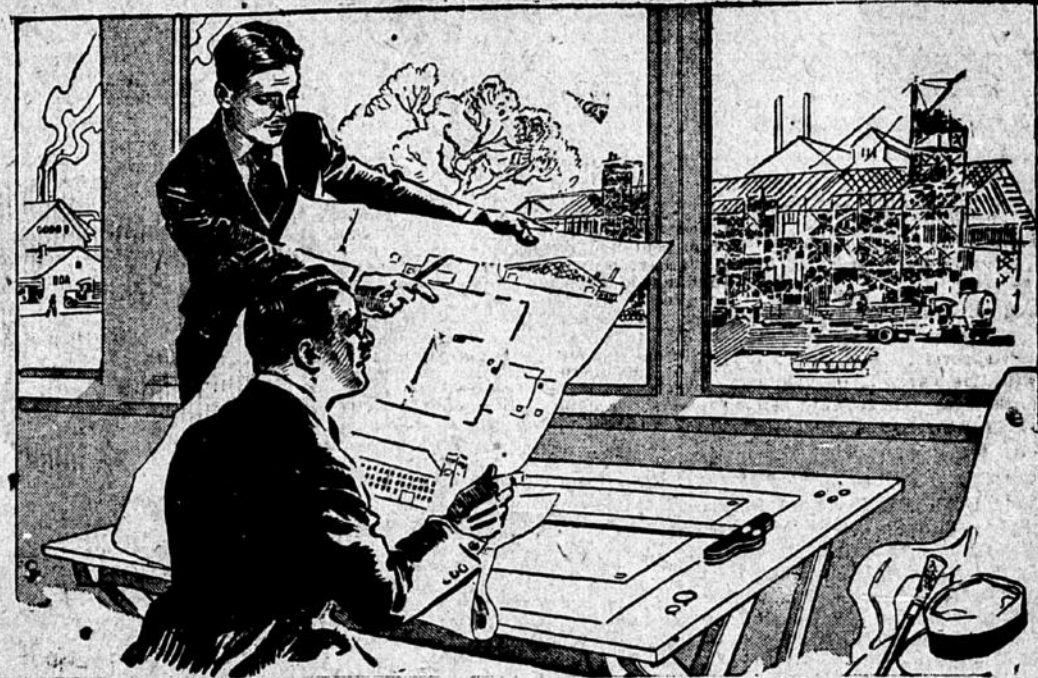
At Douaumont, France, Cardinal Dubois, archbishop of Rouen and former bishop of Verdun, blessed the historic Tranche des Fusils, the "Trenches of the Rifles," September 14. The ceremony occurred in the presence of General Valentin, commander of the forts and heights of the Meuse; of M. Robin, mayor of Verdun, and a delegation of the One Hundred and Thirty-seventh regiment, according to Current History, New York Times.

The Trench of the Rifles lies behind a humble wooden cross erected near Douaumont, which is a shapeless mass of splintered rock, of barbed wire writhing as if in torment, of nameless litter, through which poppy and bramble tried to thrust upward during the summer. This cross overlooks the bloodiest battle field of the war. It was erected by men of the One Hundred and Thirty-seventh regiment because close by their dead comrades are still mounting guard—there in the Tranche des Fusils.

It was a small episode amidst a cataclysm and soon over. In Indian file the men of the One Hundred and Thirty-seventh crept forth to mount guard, rifle on shoulder, bayonets fixed; there came a sudden, thunderous boom; the earth shuddered and cracked open, closed again, and swallowed up all. Thrusting above the ground, aligned as on that last march down the narrow trench that led to death, the bayonets of the section rise a bare six inches. It was this Trench of Rifles, and the dead heroes, still mounting guard below, that the cardinal blessed.

In Memory of Nell Gwynn.

There is always an orange in a plate placed on a chair near the door in the Savoy chapel, in London, on the Sunday after Christmas. The custom is very old, done in memory of Nell Gwynn, who, when a well-known housewife child, sold oranges in a little court near Drury Lane. At all times she was a generous giver to the church and to the poor, even if her life was gay and immoral. While she lived it became the custom to place the orange on the plate.



Build Now!

You practical men of business know the law of supply and demand. You know that when supply is short and demand is great, that the man who can contribute to both the supply and the demand, has a mighty valuable commodity. This is a condition that exists now in buildings—the demand far exceeds the supply.

Your money promises no more satisfying returns in any line of investment today than in building. We can give you some valuable information, advice and service in this respect. You will profit most by not delaying your building operations.

There is a man on the other end of your phone who will be glad to have you consult him. Call Phone 82 (Green)

Green Bay Lumber Company

"Everything from Foundation to Chimney Top"

FUEL AND FENCE



"And Be Sure to Start Housekeeping with a Monarch Range—it makes the work easier"

Every housewife who has a MONARCH in her kitchen gives this advice to her girl friends. Nothing in the home is more important than the range—nothing should be selected with greater care. The bride who buys a MONARCH profits by the experiences of thousands of housewives.

There are some very good reasons why every woman who has a MONARCH is a MONARCH enthusiast. In the first place, the MONARCH "cooks"—quickly, reliably, economically. And it cooks and bakes just as well after many years of hard service. That's because its joints are tight, and they stay "tight." The steel plates are riveted to the castings of unbreakable iron, making a firm and solid joint.

MONARCH ranges are protected against damage from rust.

The Vitreous Enamelled Flue Linings protect every part of the flue walls. It costs more to build MONARCH ranges this way, but it makes the MONARCH a more durable range.

You don't have to use any stove blacking on your MONARCH. The top is polished and then blued by our exclusive MIRCO PROCESS. The malleable castings heat through so quickly there is no need of removing the lids—the bottom of your cooking utensils do not become black. MONARCH bodies are polished steel, requiring no blacking. Make comparisons and we are sure you will decide on the MONARCH.

SAMPLES AT

The Pfarr-Gebert-Hunt Co.

THE BOYS
DENISON'S POPULAR STORE

Closing Out Sale!

Having sold my farm, and my wife's health being poor, I have decided to quit farming and will sell all my personal property at public auction on my place 1 mile north and one-half mile west of Charter Oak, on

Saturday, Feb. 14th

Commencing at 10 o'clock, as follows:

8 Head of Horses 8

Span of mares, black and brown, 6 and 9 years old, weight 2800; span of geldings, roan and sorrel, 8 and 10 years old, weight 2600; gray gelding 7 years old, weight 1500; span of colts 1 year old, weight 1000 each.

3 Good Milch Cows

One fresh, others fresh in the spring; 5 calves; 4 yearling steers; 4 yearling heifers; 1 purebred bull, coming 3 years old.

12 Poland China Brood Sows

SEVEN DOZEN CHICKENS

MACHINERY—1 McCormick binder; 1 McCormick mower; 1 Osborne hay rake; 1 John Deere gang plow; 1 John Deere walking plow; 1 John Deere corn planter; 1 Jenny Lind cultivator; 1 disc cultivator; 1 Keystone disc harrow; 1 18 ft. drag; 1 feed grinder; 1 Hoosier seeder with grass seed attachment; 1 grindstone; 1 Mandt wagon; 1 truck with rack; 1 wagon box; 1 bob sled; 1 seed corn drier; some seed corn; 1 hand corn sheller; 1 DeLaval cream separator; 3 sets 1 1/2 in. harness; 1 single harness; 2 sets fly nets; 1 galvanized water tank; 1 55 gal. oil tank; 1 single top buggy; 1 carriage; some household goods, and many other articles too numerous to mention.

FREE LUNCH AT NOON

TERMS AS USUAL—12 MONTHS

BERT LEEPER

ED DUNCAN, Auctioneer.

FIRST NATIONAL BANK, Clerk